WESTERN STEEL PRODUCTS for Modern Buildings

TRADE MARK
WESTEEL
REGISTERED

WESTERN STEEL PRODUCTS LIMITED
WINNIPEG-REGINA-SASKATOON-CALGARY-EDMONTON-VANCOUVER

QUALITY—SERVICE

CATALOGUE No. 828

(Cancelling Catalogues Nos. 215 and 216)

Illustrating and Describing

WESTEEL

(Design Registered)

PRODUCTS

"Everything in Sheet Metal"

Barrels	Culverts, Metal	Pipe, Conductor
Boilers, Range	Doors	Roofing
Brick Bonds	Eave Trough	Shingles, Metal
Ceilings and Walls, Metal	Garages, Metal	Skylights
Cisterns	Grain Picklers	Tanks
Coal Chutes	Granaries, Metal	Ventilators
Corner Bead, Plasterers'	Grain Dusters	Well Curbing
Cornices, Metal	Lath, Metal	Siding, Metal
Corrugated Iron	Lockers, Metal	Windows, H. M., etc., etc.

Galvanized and Black Sheets, Canada Plate, etc.

WESTERN STEEL PRODUCTS LIMITED

Winnipeg, Man.

Regina — Saskatoon
Saskatchewan

Vancouver
British Columbia

Calgary — Edmonton
Alberta

CANADA

(THIS CATALOGUE PRINTED IN CANADA)

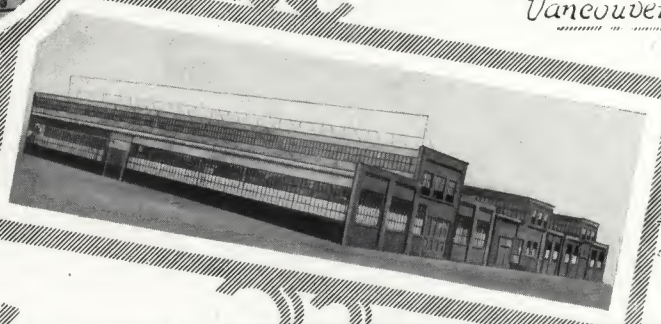
WESTEEL

A Complete Western Service

Desautels St.
St Boniface. Man.

115th Avenue
Edmonton
Alta.

Industrial Island
Vancouver. B.C.



Atlantic
Ave
Toronto
Ont.

Avenue G.
Saskatoon. Sask.

Eleventh St
Calgary. Alta

Dufferin Ave.
Toronto.
Ont.

Cornwall
Street
Regina
Sask

WESTERN STEEL PRODUCTS LIMITED

Regina — Saskatoon — WINNIPEG — Calgary — Edmonton — Vancouver

WESTEEL Facilities To Serve You

Spacious factories, warehouses and office buildings, located at central points in all the Western Provinces, to eliminate shipping delays.

Modern equipment to produce WESTEEL Sheet Metal Building Materials of proper design and of sound construction.

Large stocks of WESTEEL manufactured goods at all our factories and warehouses.

We carry the largest, and best assorted, stocks of sheet steel in the whole of Western Canada.

Two Thousand Tons
Await Your Shipping Instructions

We carry all standard sizes, and all gauges of sheets as heavy as No. 10.

TRY WESTEEL SERVICE

We Carry Well Assorted Stocks of

Copper (soft and cold rolled)—Tin Plate—Canada Plate—Furniture Steel—Zinc—Auto Body Stock—Tinners' Supplies

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Western Steel Products Limited

WINNIPEG

Calgary-Edmonton-Regina-Saskatoon-Vancouver

PRICES

Prices are not shown in this Catalogue, but Price Lists of all goods will be sent free on request.

A SQUARE

A square is one hundred (100) square feet, or equal to a space ten feet by ten feet (10 ft. x 10 ft.).

Corrugated Iron is sold by the 100 square feet, extreme measurement, without allowance for laps.

All other goods are sold by the square, covering measurement—that is to say, a square as sold will cover 100 square feet when laid on a plain surface.

(See page 17 re method of selling "V" Crimp Roofing.)

(See page 31 re method of selling Clapboard Siding.)

We strongly recommend the use of a good building paper under all kinds of roofing (metal or otherwise), also under siding. It absorbs condensation and prevents "sweating," making a building warmer in winter and cooler in summer. It prevents draughts or suction through the roof or sides during high winds. The extra cost is trifling, and the purchaser never fails to be well repaid for the slight additional outlay.

TRY WESTEEL SERVICE

When you see the word WESTEEL on an article you know that it is manufactured by Western Steel Products Limited. Our Trade Mark is your guarantee.

OUR TERMS

A good character, honesty and a reputation for sound business judgment entitle you to credit.

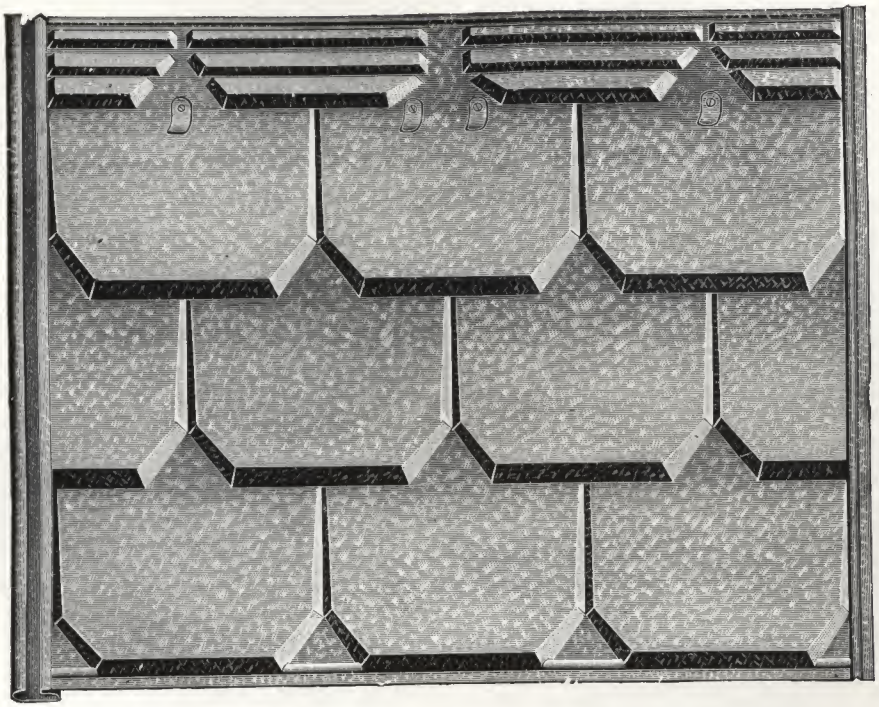
New customers would be well advised to give the necessary credit references when sending first order, so there may be no delay in our service.

Our Advertising Department Serves the Dealer

To create and promote general interest in the merits, practicability and superior qualities of our products is the purpose of this department. To aid the dealer in increasing his business in this line we get in touch with the consumer by circulars explaining the merits of Sheet Steel materials, thereby stimulating the demand, and materially benefitting the dealer, because the purchases are made from him. We particularly urge upon our customers and dealers generally to write to us and secure our co-operation—to better serve our mutual interests. This service is free to our customers.

WESTEEL

The Best Shingle that ever Shed Water off a Roof



Fireproof

Lightning Proof

Weather Proof

Made in Canada

Patented April 1885, March 1887, January 1894, July 1894, October 1900.

Eastlake Galvanized Copper-Steel Shingles

Covering Size 15 x 21⅞ inches

Made only from highest quality Galvanized Copper-Bearing Steel.

44 Sheets to a Square

Net weight about 77 lbs. per square. Shipping weight, including crate, about 90 lbs. per square.

Facts about the "Eastlake"

Guaranteed watertight when properly laid on any roof of quarter pitch or more.

The easiest and quickest laid Metal Shingle ever devised. Only 4 nails to a shingle—all nail heads covered.

Absolutely fireproof — Iron and Steel cannot burn.

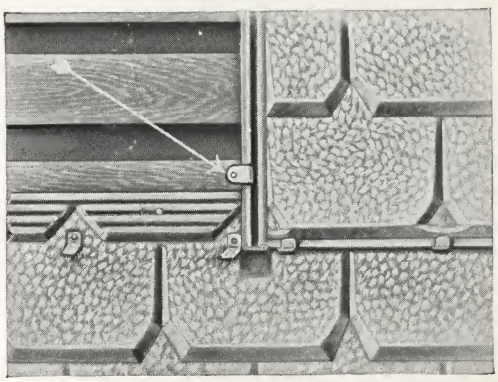
Lightningproof — when properly connected with the ground by means of rain-water pipe or wires.

Made of the best materials obtainable, on specially constructed machinery, ensuring absolute uniformity, and snug and easy fitting.

Have a record of over 40 years of service on Canadian roofs, and these same roofs look good for another 40 years.

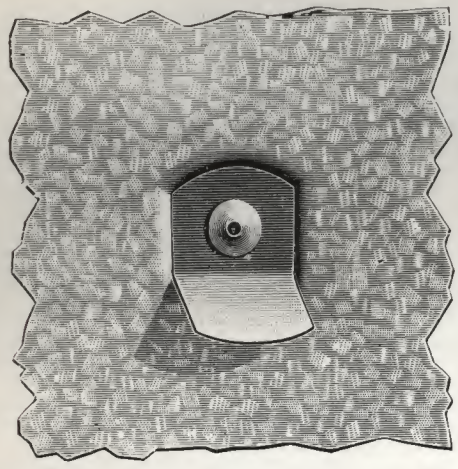
The Quality is there, and therefore the wear.

SEE NEXT PAGE



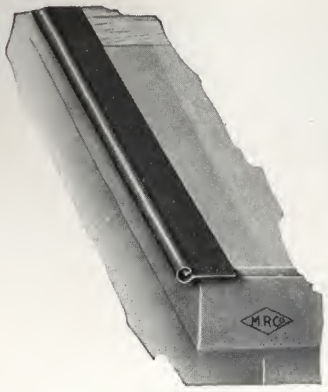
When a roof is not close boarded, and when there is no ceiling underneath (as in a Barn or Shed) there is an air suction through the roof at times. To prevent this disturbing the Shingles we furnish (free) a special side nailing Clip as illustrated, which is hooked into the flange of the Gutter just above the Shingle below. Clips in every crate.

WESTEEL



The "Eastlake" Countersunk Cleat

The cleats on the "Eastlake" are COUNTERSUNK—set right down into the sheet. This valuable patented feature is found only in the "Eastlake." In laying, these cleats are bent back over the lower edge of the Shingle above, holding it securely, tightly pressed to the Shingle below.



Gable Roll

For use down the edges of Gable Roofs. Shingles slip into roll shown. Makes a neat finish and avoids exposed nail-heads.

The "Eastlake" Side Lock and Gutter (Reduced)

The side-lock and gutter at each side joint of "Eastlake" Shingles is big and easy-fitting, and also secure against the heaviest rains or driving storms. Note its simple, yet efficient design.

NAILS.—One pound of 1 inch 12 Gauge Galvanized nails will lay a square of "Eastlake" Shingles. See page 22 for nails.

Clear Printed Instructions for Laying are in every Crate.

"Eastlake" Shingles

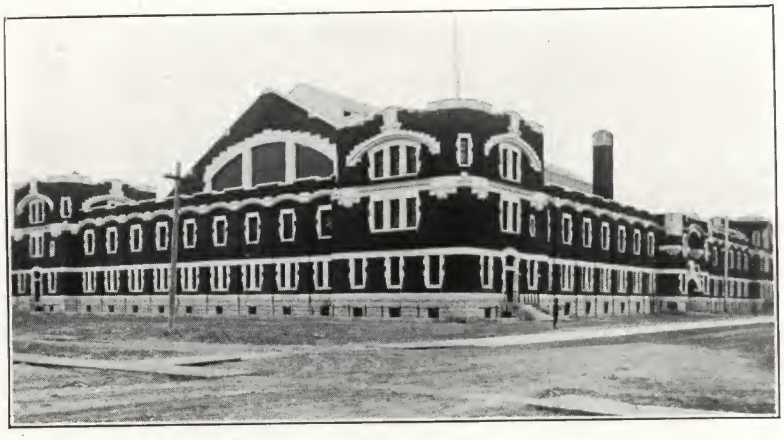
are designed for use on

Houses - Barns - Mill Buildings - Garages
that have sloping roofs of ¼ pitch or more

"Eastlake" Shingles

were selected for this Building

They are giving satisfactory service



Minto Barracks
Winnipeg, Man.

The Largest Building of its kind in Canada

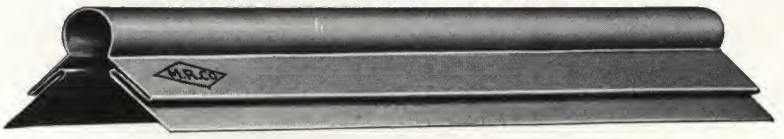
Over 70,000 sq. ft. of roof surface

WESTERN STEEL PRODUCTS LIMITED

Ridge and Valley

"Roll Top" Ridge Cap

Galvanized. Used as a Ridge Cap or as a Hip Cap for Cottage Roof Hips. Covers (about) 4 inches on each side of ridge. Shipped in lengths of 10 feet, complete with wood core as shown. Applied AFTER the shingles. Nail through roll only.



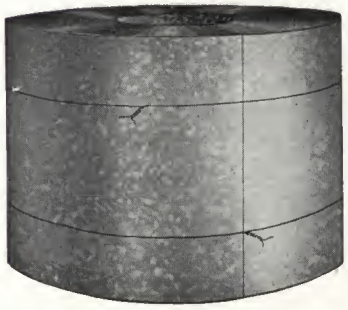
"Climax" Ridge Cap

Galvanized. Apron 3 inches on each side of ridge. Shipped in 10-foot lengths. Applied BEFORE shingles, which are slipped under fold in apron, thus covering all nail heads. Nail along bottom only. Wood core not needed.

"Special" Valley

End View "Special" Valley

Galvanized. For use with Metal Shingles and Tiles. Shipped in 10-foot lengths. End view at right shows where to nail and manner of hooking shingles. Made in four sizes. 15, 18. 24 and 30 inch girth.



"Roll" Valley

Roll Valley is Best Quality 28 Gauge Flat Galvanized Sheets, done up in rolls 100 feet long, for use as Valley for Wood Shingles, Flashing, etc. Cross seams are locked and soldered. Made any desired width up to three feet. Standard widths are as follows: 8, 10, 12 and 15 inches.

WESTEEL

Illustrating Buildings Roofed with

WESTEEL Cluster Spanish Tiles

The Beautiful Roof

For Fine Homes

WESTERN STEEL PRODUCTS LIMITED

WESTEEL

Galvanized Cluster

Spanish Tiles

Made from Galvanized Copper-Bearing Steel

Can also be supplied in Copper

"The Roofing of Distinction"

Cluster Spanish Tiles

Approximate Weight per square

Without crate	88 lbs.
Including crate	95 lbs.
Covering size	25 x 44⅜ inches

13 sheets will lay one square (10′ x 10′)

Illustration shows one full sheet containing 12 tiles. Each tile measures 8⅓ inches wide, 11 inches long, 1 9/16 inches high, to under side of butt. Butts are ⅜ inches high.

To save excessive waste, quarter, half, and three-quarter length sheets can be supplied.

These are used only where full length tiles will not work out evenly to suit the length of rafter.

Cluster Spanish Tile Starter

For use as first or eave course with Cluster Spanish Tiles. Note closed ends.

One Sheet Cluster Spanish Tile Starter
Covering Size 25 x 11 inches.
52 Sheets to a Square.

One Sheet Cluster Spanish Tile
Covering Size 25 x 44⅜ inches.
13 Sheets to a Square.

Cluster Spanish Tiles (Continued)

Cluster Spanish Tile Ridge Cap

Covering length 25 inches.

Shipped in two pieces (halves), which is convenient when tiles on opposite sides of ridge are not in perfect alignment. Requires a one-inch board on edge along ridge as central support. (Board about 6 inches high, depending on pitch of roof.) Nail along top and through side of roll along bottom.

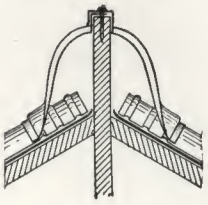


Fig. E

Fig. E shows method of applying Ridge. Height of board varies with different pitches of roof. Following are heights required for pitches named, measured from peak to top of board.

5¼" high for quarter pitch (6" rise in 12")
4¾" " " third " (8" " 12")
3¾" " " half " (12" " 12")

Cluster Spanish Tile Hip Cap

Covering Length 26 inches.

For use on hips of cottage-shaped roofs. Shipped complete in one piece, as illustrated.

Hip End Finisher

Covering Length 26 inches.

For use at the lower or bottom end of hips with Cluster Spanish Tiles. Regular hip cap fits over upper end.

Hip Cap and Hip End Finishers
must be notched out on job to fit down over tiles, nailed occasionally only and soldered watertight.
No central support required.

Cluster Spanish Tiles (Continued)

Cluster Spanish Tile Three-Way Terminal

Height 16 inches over all.

Used on cottage roofs to finish the junction where two hips meet at ridge.

Cluster Spanish Tile One-Way Terminal

Height 12 inches over all.

Used to terminate ridges of gable roofs.

Note: Four-way terminals can also be supplied to finish the peaks of cottage roofs where the four hips converge.

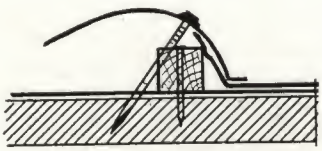


Fig. 1.

The proper nailing is a very important factor in laying Cluster Spanish Tiles.

Galvanized nails are used with a lead washer under the head, and must be driven diagonally through roll, about one inch up from the flat, and just under the butts. (See Fig. 1.)

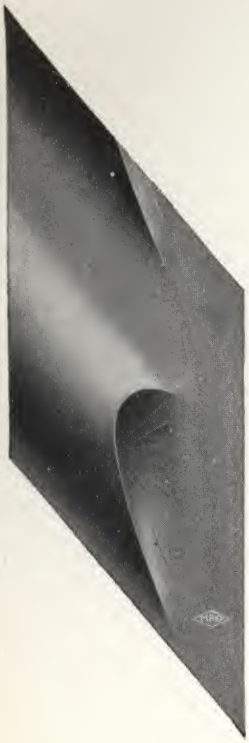
The butts stiffen the upstanding flange sufficiently to prevent flattening.

Seven nails should be used to each full sheet. Placed as indicated in Fig. 2.

1¼ lbs. of 2″ x 10 Gauge Galvanized nails, and ⅜ lbs. of lead washers will lay one square.

Fig. 2

Cluster Spanish Tiles (Continued)



Cluster Spanish Tile Valley Starter

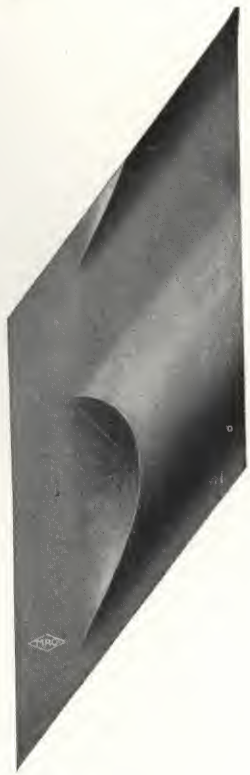
For use in closing the ends of tiles which are cut on the slant to fit valleys.

Flanges are folded on the job, to hook into "Special" Valley (See illustration below).

May be used on roofs varying from one-sixth to one-third pitches.

LEFT

RIGHT



"Special" Valley

Above illustration shows method of hooking Cluster Spanish Tile valley starters into Valley. Flat flanges are folded over on the job to the correct bevel to suit pitch of roof.
"Special" Valleys should not be less than 24 inches girth.

FORM OF SPECIFICATION

Sheeting. Roof to be covered over the whole surface with 7/8" matched boarding, by the carpenter.

Paper. Cover the roof surface with a good building paper weighing not less than 5 lbs. per square. Paper to be lapped not less than 3" and to be properly fastened with flat-headed nails, using galvanized pieces under heads to prevent tearing.

Cluster Spanish Tiles. The whole roof to be covered with Galvanized Cluster Spanish Tiles of the Western Steel Products Limited make, and equal to WESTEEL quality No. 28 Gauge Galvanized Iron.

Starter tiles to be laid to a chalk line square with eaves.

Regular tiles to be laid straight and true, and at right angles to eaves.

Where necessary use chalk line to insure perfect alignment of rolls.

Nailing. Tiles to be properly fastened with Galvanized Nails, having lead washers under heads. Use 1" x 1" Wood Strips to support Side Flange.

Ridges and Hips. Use proper stamped Hip Caps, Ridge Caps and Terminals where required to make a first class finish at all points.

Valleys. Lay No. 28 Gauge galvanized "Special" Valley, not less than 24" Girth to all valleys.

Valley Starter Tiles to be used to close the ends of rolls, and to be properly folded to fit into hooks formed on "Special" Valley.

Cheeks of Dormers. When tiles finish against cheeks of Dormers, Parapet Walls, etc., bend the tile up against same at least 3" and counterflash over same in proper manner.

Saddles. Put plain Galvanized Saddles to all chimneys with hook formed as on "Special" Valley. Finish at sides with Valley Starter Tiles. (Carpenter will build wood saddles in preparation for metal.)

General. Hips and Valleys to be properly soldered where necessary, and the whole roof to be made thoroughly watertight.

Detailed directions furnished by the manufacturers should be carefully followed in all particulars.

Painting

All painting to be best two coat work.

Galvanized Iron to receive a priming coat of Red Oxide of Iron Paint.

Finish coat to be mixed from best pigments and pure linseed oil, and to be of a shade approved by the architect or owner.

WESTEEL

Diamond Tiles

Galvanized Steel or Copper

Suitable for Covering Towers, Domes, Steeples, Mansards, Gables, etc.

The design is artistic and very bold, showing a raised butt about 1″ high which stands out in such relief as to be seen plainly from the ground even on the highest tower. The use of these Tiles gives a most pleasing effect, not obtainable by ordinary flat roofings.

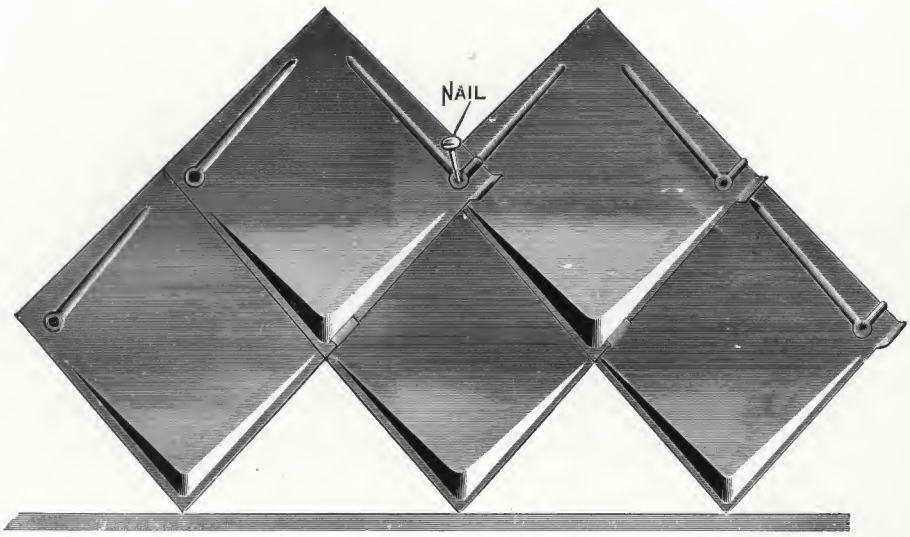


Illustration shows a tower covered with

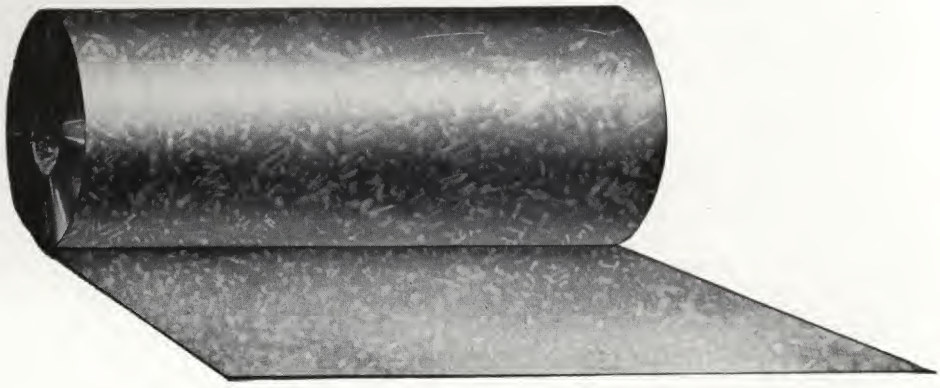
WESTEEL
Diamond Tiles

Being of diamond shape and of small size they readily lend themselves to curves when broken by moulded ribs as shown.

Measurements of tower accompanied by sketch giving shape must be furnished us when requesting estimate.

WESTEEL

"Flat" Roofing



Showing a Roll of "Flat" Roofing

Best quality, plain, flat, galvanized sheets, edges accurately squared, done up in rolls, all cross seams locked and soldered. Suitable for roofs having pitch of 1 inch to the foot or more.

Standard widths are 23¾—29¾—35¾ inches, covering 21—27—33 inches respectively, when laid.

Supplied in rolls of a length to suit the roof.

A square as sold COVERS 100 square feet when laid.

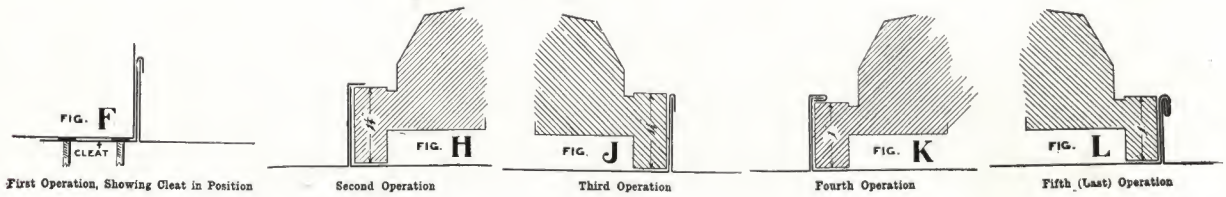
If ordering for a special job state length of rolls wanted or give size of roof, saying which way it slopes. Say if walls project up past roof or if roof overhangs walls.

Made in different Weights—See Price List

Roofing Double Seamer

The joints of "Flat" Roofing stand 1 inch high when finished. Illustration on the left shows Seamer, which is used as a block over or against which the seams are malleted as shown in sectional view below.

All nailing is done through cleats, which we supply, and which are covered up by the roofing. Half a pound of galvanized nails will lay a square.

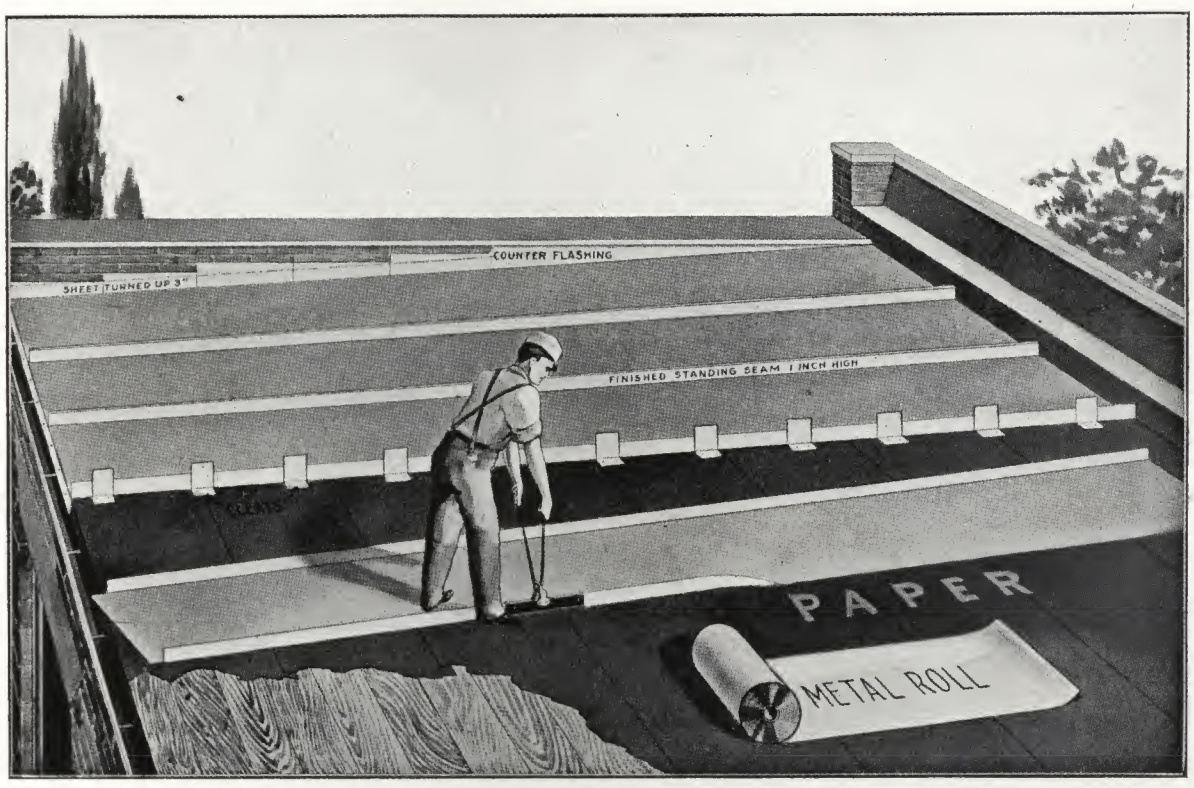


First Operation, Showing Cleat in Position — Second Operation — Third Operation — Fourth Operation — Fifth (Last) Operation

Showing Different Processes in Laying "Flat" Roofing

Full Instructions for Laying are Sent with Each Order

"Flat" Roofing (Continued)



Showing the application of "Flat" Roofing

Roofing Tongs

Used in applying "Flat" Roofing. Two sizes, 1¼" and 1½ inch, for turning seams of these heights.

Tinner's Hammer

Snips

Best Drop Forged Steel.

Wooden Mallet

(Used in Laying "Flat" Roofing)

Note Re Tools

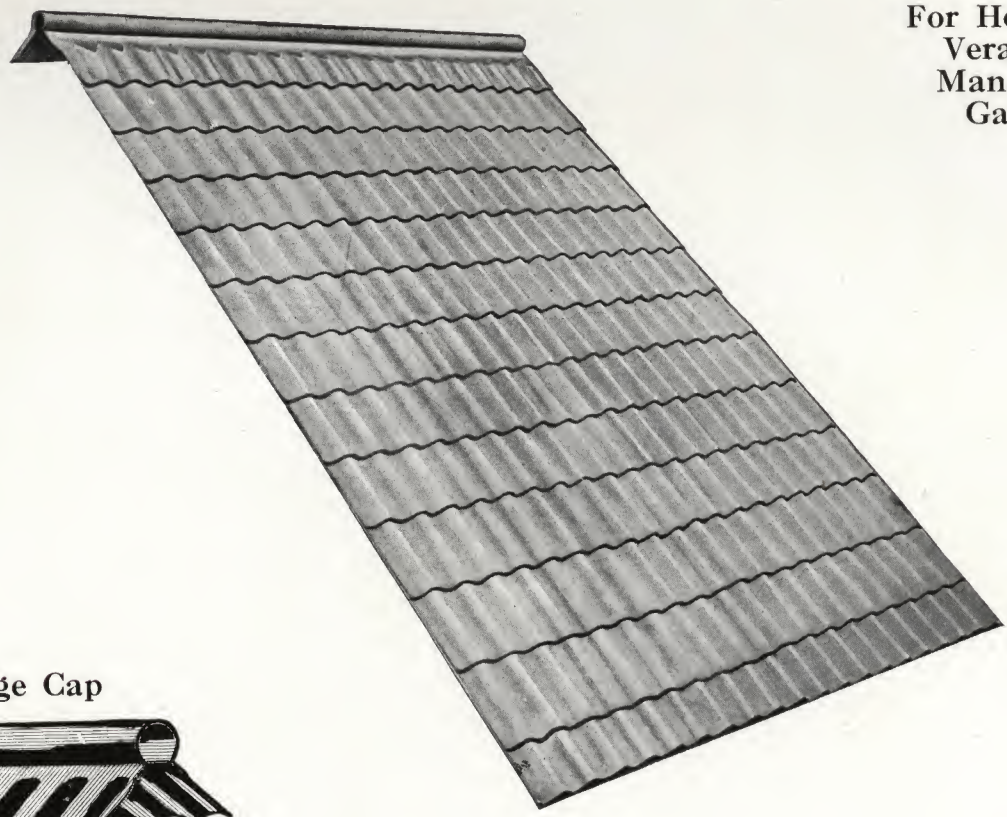
When ordered, we send Roofing Tongs and Double Seamer with orders for "Flat Roofing." We charge for them at the regular prices, but if returned within thirty days, in good condition and charges prepaid, we allow full price charged.

Hammers, snips and mallets are not returnable.

WESTEEL

Corro Tile

(Made from Galvanized Copper-Bearing Steel)



For Houses,
Verandas,
Mansards,
Garages,
etc.

Ridge Cap

For Use with Corro Tile.

In many cases Spanish Tiles give too heavy an appearance, and for such buildings we have prepared the smaller Corro Tile. Made in large sheets 27½ or 33 inches wide by either 71, 95 or 119 inches in length over all. When laid they are lapped the width of one and one-half tiles on the sides, and on the ends sufficiently to properly match the tiles. (Lap on ends should not be less than 3 inches.)

A Big Improvement in Appearance Over Corrugated Iron

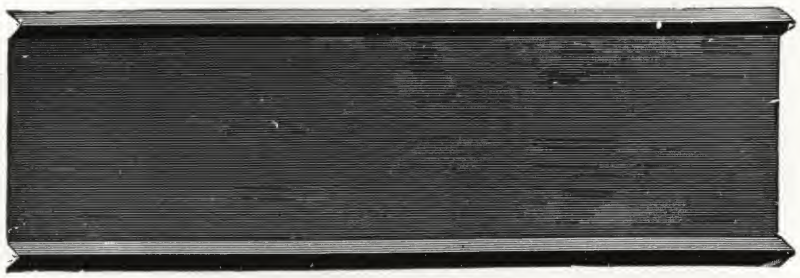
The Cost is very Little More

Applied Just as Quickly as Corrugated Iron

Fireproof **Lightningproof** **Weatherproof**

WESTERN STEEL PRODUCTS LIMITED

"V" Crimp and "V3" Crimp Roofing



Shows One Sheet of "V" Crimp Roofing, 27½ inches from centre to centre of V's. Sheets 6 or 8 feet long. 10-foot Sheets supplied specially to order. Made in 26 and 28-gauge Galvanized Steel.

Shipping weight, 28 gauge, 75 lbs. per square.
" " 26 " 86 " " "

Shows One Sheet of "V3" Crimp Roofing, 32½ inches from centre to centre of outside V's. Sheets 6 or 8 feet long. 10-foot Sheets supplied specially to order. Made in 26 and 28-gauge Galvanized Steel.

"V" WOOD STRIPS—We supply, without extra charge, "V" Shaped wood strips to place under the joints of this roofing to provide a nailing backing. Nails should be driven through the side of the "V", near the top. 1¼ lbs. of galvanized nails will lay a square.

End joints are made by lapping the sheets 3 or 4 inches and nailing.

This form of roofing may be laid on sheeting or on 1 inch x 3 inch wood strips laid crosswise of the rafters at 24 or 30-inch centres.

Shipping weight, 28 gauge, 75 lbs. per square.
" " 26 " 86 " " "

We can supply Ridge Cap, End Flashing, and Side Wall Flashing for above.

WESTEEL

Plank Truss Barns

The elimination of costly solid timbers, the tremendous labor, and the slow, tedious preparation required to build the old style timber frame barn, has been accomplished by the development of the modern WESTEEL Plank Truss Steel-Clad Barn.

It has won its place as the foremost of all modern types. The investment represented in the erection of a WESTEEL Plank Truss Steel-Clad Barn, pays big returns in protection, utility, labor savings, and ultimate economy.

FREE BARN ESTIMATES

To get our estimates on WESTEEL Plank Truss Steel-Clad Barns, just send us the following details:—

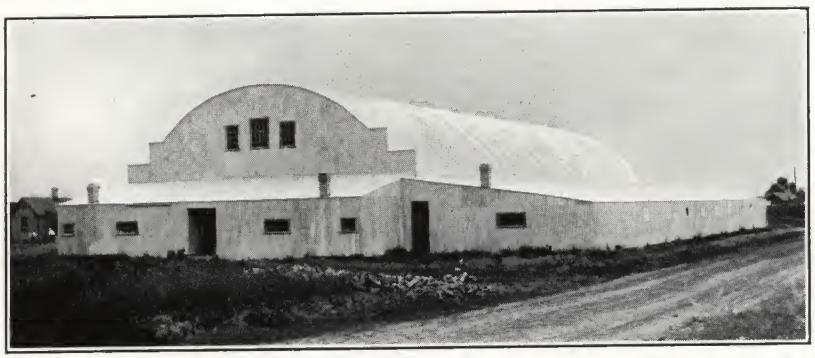
1. Size (length and width) of foundation.
2. Height of Posts.

A matter of vital importance to farmers is protection against lightning and outside fires. WESTEEL Plank Truss Barns are Steel-clad from foundation to peak; armour-proofed against these dangerous elements.

The moderate cost places them well within the reach of the average farmer.

Rinks, Implement Sheds, etc.

For the low cost erection of implement sheds, skating rinks, curling rinks and similar structures —WESTEEL Corrugated Steel is unequalled. It is the most economical, strongest, and most durable material for the types of buildings mentioned.



The large covering area of WESTEEL Corrugated Steel means less material for framework, and speedy construction is made possible. We are pleased to furnish estimates free, for covering any type of building; just tell us the length and width required, height of posts preferred, and state size and location of doors.

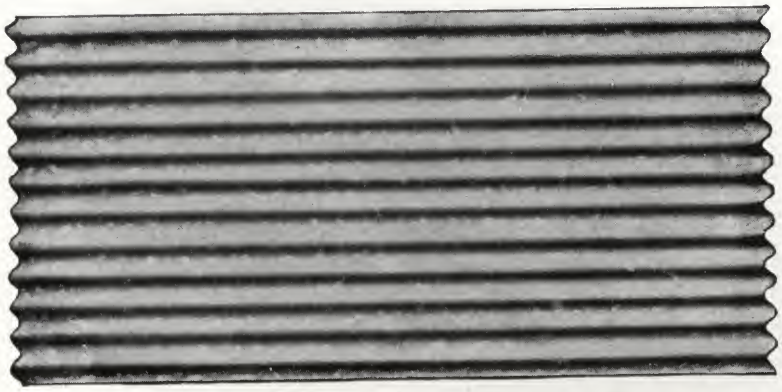
Our estimates will not obligate you in any way.

OUR DRAUGHTING DEPARTMENT—qualified and equipped to render every assistance in the preparation of plans for any desired structure.

This Service is Free.

WESTERN STEEL PRODUCTS LIMITED

Corrugated Iron



Galvanized or Painted (Red)

Galvanized

Standard Sizes—6, 8 and 10 feet long, 33 inches wide and 27½ inches wide. Also see below.

28	Gauge—Weight	(about)	.....	75	lbs.	per	100	sq.	ft.
26	"	"	.....	85	"	"	"	"	
24	"	"	.....	130	"	"	"	"	
22	"	"	.....	155	"	"	"	"	
20	"	"	.....	185	"	"	"	"	
18	"	"	.....	240	"	"	"	"	

Painted

Standard Sizes—6, 8 and 10 feet long, 27½ inches wide. Also see below.

28	Gauge—Weight	(about)	.....	70	lbs.	per	100	sq.	ft.
26	"	"	.....	85	"	"	"	"	
24	"	"	.....	110	"	"	"	"	
22	"	"	.....	140	"	"	"	"	
20	"	"	.....	170	"	"	"	"	
18	"	"	.....	225	"	"	"	"	

NOTE RE SIZES OF SHEETS.—We can furnish promptly, and without extra charge, any size of sheet that will cut without waste from standard sizes. Can also furnish to order special lengths or widths.

SIZE OF CORRUGATIONS.—We make two sizes: 2½ x ⅝ and 1¼ x ¼ inches.

Above table of weights applies to the 2½ x ⅝ size, which is the standard. The weight of 1¼ x ¼ inch is three per cent. higher.

COVERING WIDTHS

26 and 28 gauge sheets, 33 inches wide, will cover (about) 29½ inches when lapped one-and-a-half corrugations. Sheets 27½ inches wide will cover (about) 24 inches when lapped one-and-a-half corrugations.

Covering Sizes for Heavier Gauge Sheets Furnished on Request.

Curved Corrugated Sheets

Corrugated Sheets (in 2½ x ⅝ inch corrugations only) can be furnished curved to any desired radius, for use on circle roofs or as support for concrete arches.

The following information is desired for orders or enquiries:

State gauge of iron wanted and whether black, painted or galvanized.

FOR ROOFING WORK.—If possible, send sketch, showing shape and measurements. If part of a true circle, simply give diameter or radius, and state whether half or quarter circle, also length of roof.

FOR CONCRETE WORK.—If possible, give girth of sheet and radius of required curve. If this is not convenient, give distance BETWEEN beams and height of curve wanted in sheet. If distance BETWEEN beams is not known, give spacing of centres, advising height and weight of beams used, and height of curve required.

Always state whether measurement given is BETWEEN beams or on CENTRES. By "between" is meant between the upright parts of beams, not between the tips of flanges.

WESTEEL

Sundries for Corrugated Iron

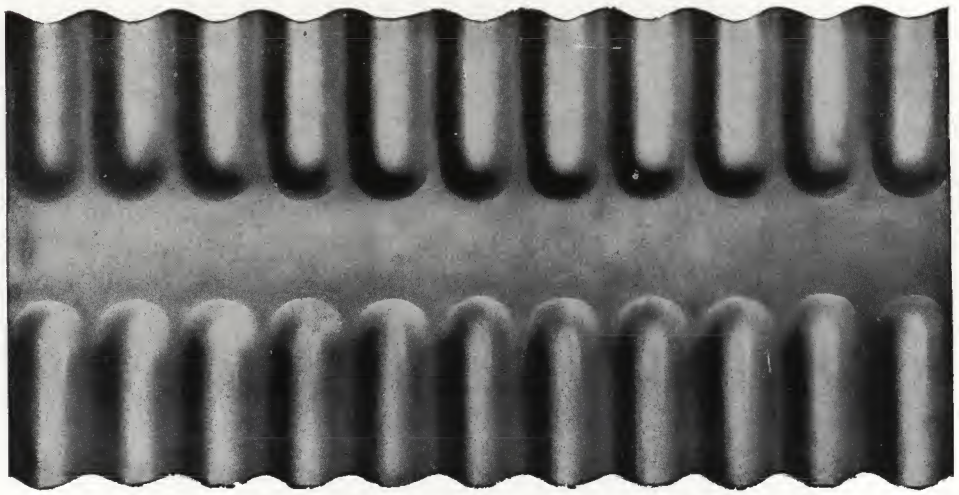
(Made from highest quality Galvanized Steel)

Corrugated Ridge Cap

Shipped in two pieces as shown. Sizes as below. Fits 2½ x ⅝ corrugations only. Lengths cover 27 inches when properly lapped. (We allow for lap.)

Always Order by Girth.

14″ girth, covering 6 inches each side of roof.
18″ girth, covering 6 inches each side of roof.
24″ girth, covering 9 inches each side of roof.
30″ girth, covering 12 inches each side of roof.
36″ girth, covering 15 inches each side of roof.
42″ girth, covering 18 inches each side of roof.
48″ girth, covering 21 inches each side of roof.



Corrugated Hip Cap

Three sizes as below. Fits 2½ x ⅝ corrugations only. For use on hip or gambrel roofs. Can be bent anywhere in flat space in centre as required. Lengths cover 27 inches when properly lapped. (We allow for lap.)

Always Order by Girth

12-inch girth, (2 inches flat, 5 inches corrugated each side.)
15-inch girth, (2 inches flat, 6½ inches corrugated each side.)
18-inch girth, (2 inches flat, 8 inches corrugated each side.)

Corrugated End Flashing

Three sizes as below. Fits 2½ x ⅝ corrugations only. For use where ENDS of corrugated sheets butt an upright wall. Lengths cover 27 inches when properly lapped. (We allow for lap.)

ALSO FURNISHED STRAIGHT (not bent up) for use in making connection between corrugated sheets and shingles, slate, etc.

Always Order by Girth.

9-inch girth (3 inches flat, 6 inches corrugated).
12-inch girth (3 inches flat, 9 inches corrugated).
15-inch girth (3 inches flat, 12 inches corrugated).

Sundries for Corrugated Iron

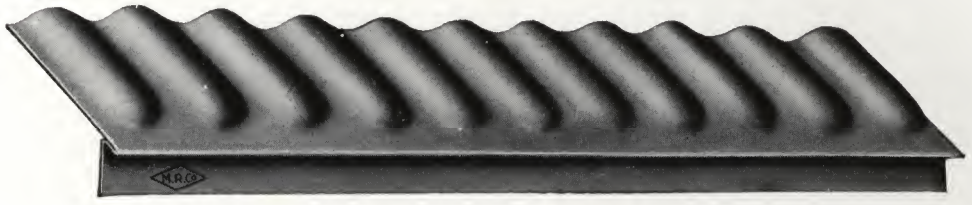
Corrugated Side Flashing

Two stock sizes as below, also special to order. Made for all sizes of corrugations. For use where SIDES of corrugated sheets butt an upright wall. Lengths 6, 8 or 10 feet.

ALSO FURNISHED STRAIGHT (not bent up) for use in making connection between corrugated sheets and shingles, slate, etc.

Always Order by GIRTH

Galvanized 12-inch girth (2 corrugations, 6 inches flat)
Galvanized 15-inch girth (3 corrugations, 6 inches flat)



Corrugated Drip Starter

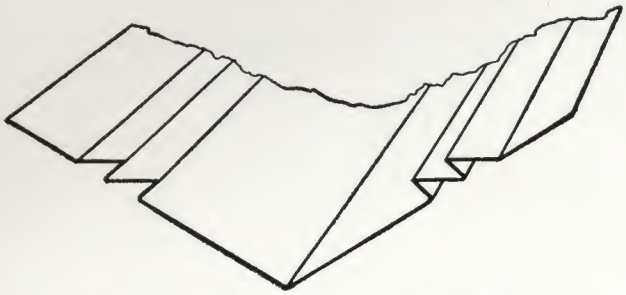
For use at eaves for purpose of closing up ends of corrugations. "Drip" is formed as shown for purpose of shedding water clear of fascia board. Fits 2½ x ⅝ corrugations only.

Corrugated part is 6 inches wide, flat part (on top) 1 inch wide. Galvanized only. Lengths cover 27 inches when properly lapped (we allow for lap).

Corrugated Plain Starter

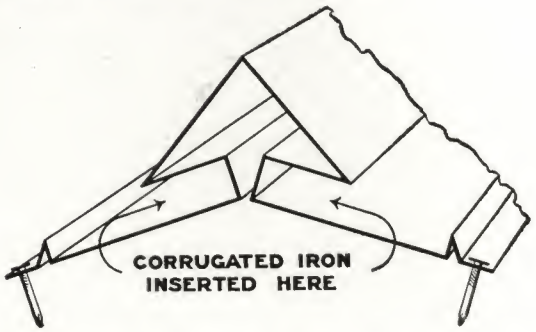
For use at eaves for purpose of closing up ends of corrugations. Fits 2½ x ⅝ corrugations only. Corrugated part is 6 inches wide, flat part is 1 inch wide, bent in middle. Galvanized only. Lengths cover 27 inches when properly lapped (we allow for lap).

Sundries for Corrugated Iron



Double Gutter Valley (End View)

For use with corrugated iron, which laps over to 1 inch past lower break. Shipped in 10-foot lengths.



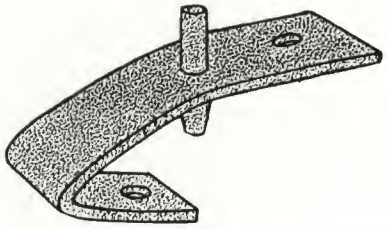
Cottage Hip Cap (End View)

For use with corrugated iron on splayed or diagonal hips, such as on cottage roofs, veranda corners, etc.

Shipped in 10-foot lengths. 18-inch girth.

Galvanized Straps

Illustrating method of attaching corrugated iron to steel framework by means of galvanized straps passed around purlins and rivetted to the corrugated sheets on each side. Suitable for both roofing and siding.

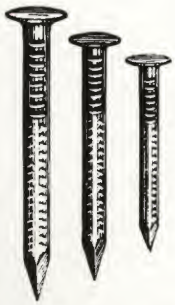


Galvanized Fastener

For Use on Steel Framing

Hook under girder, bottom of rivet rests on girder, which acts as buffer for rivet. Draw rivet through corrugated iron with rivet set, put on washer and flatten rivet.

Nails



10 11 12
Cut indicating Gauge, or Thickness of Nails.

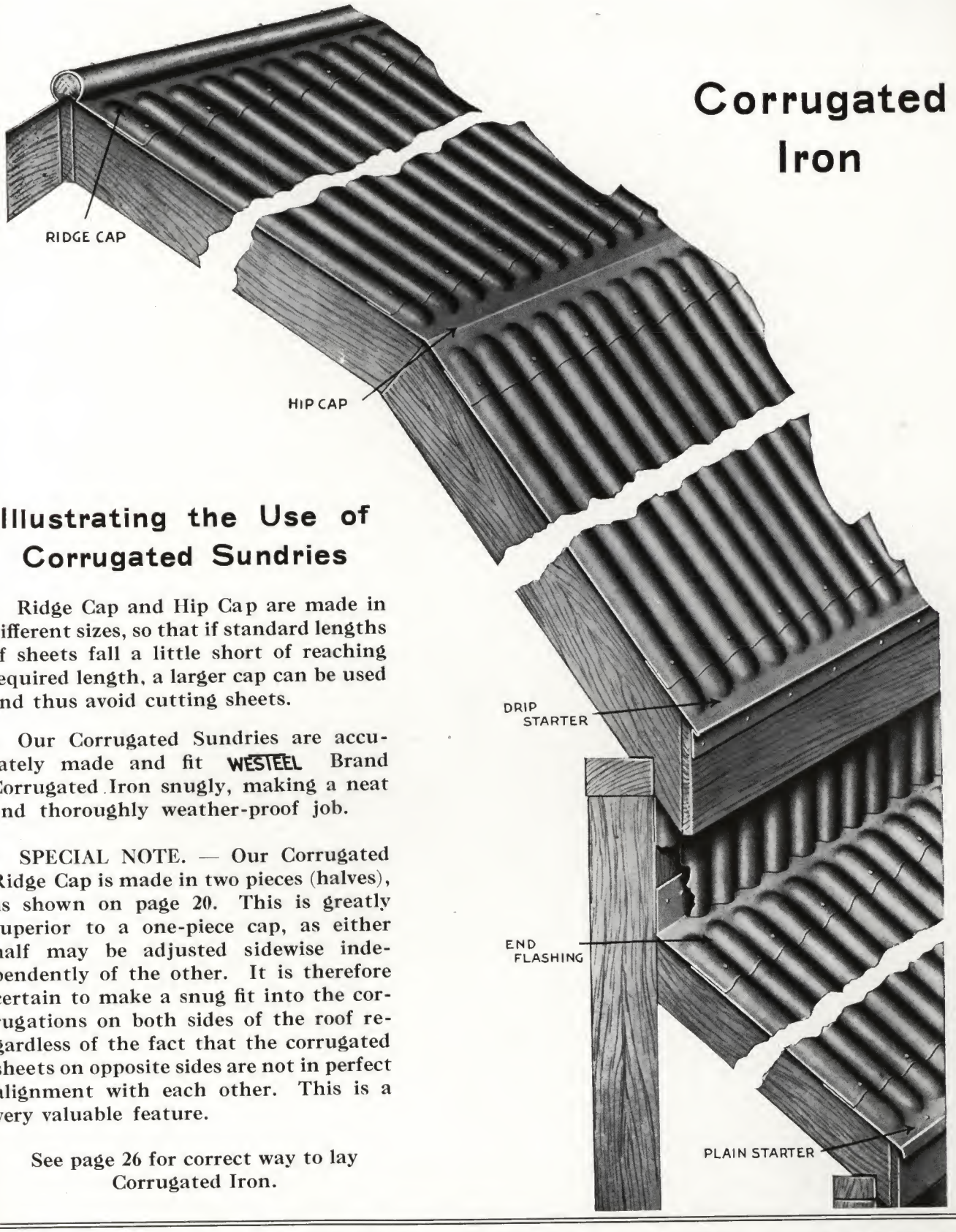
Always use galvanized nails for applying galvanized goods. We carry the following sizes and gauges:

Kind	Size	Approximate Number to 1 lb.
Barbed, Galvanized	1 inch, 12 gauge	340
"	1¼ " 11 "	210
"	1½ " 10 "	150
"	1¾ " 10 "	120
"	2 " 10 "	105
"	2½ " 11 "	95

Lead Washers

For 10 gauge nails. About 330 to a pound.

Corrugated Iron



Illustrating the Use of Corrugated Sundries

Ridge Cap and Hip Cap are made in different sizes, so that if standard lengths of sheets fall a little short of reaching required length, a larger cap can be used and thus avoid cutting sheets.

Our Corrugated Sundries are accurately made and fit WESTEEL Brand Corrugated Iron snugly, making a neat and thoroughly weather-proof job.

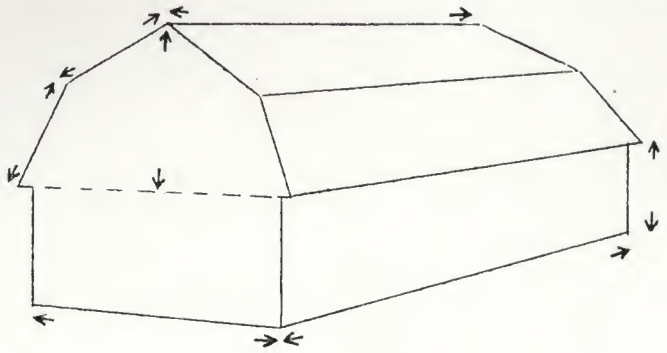
SPECIAL NOTE. — Our Corrugated Ridge Cap is made in two pieces (halves), as shown on page 20. This is greatly superior to a one-piece cap, as either half may be adjusted sidewise independently of the other. It is therefore certain to make a snug fit into the corrugations on both sides of the roof regardless of the fact that the corrugated sheets on opposite sides are not in perfect alignment with each other. This is a very valuable feature.

See page 26 for correct way to lay Corrugated Iron.

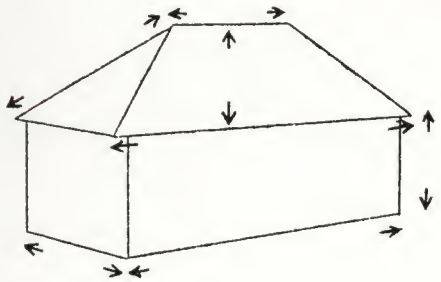
WESTEEL

Measurements Required for Estimates

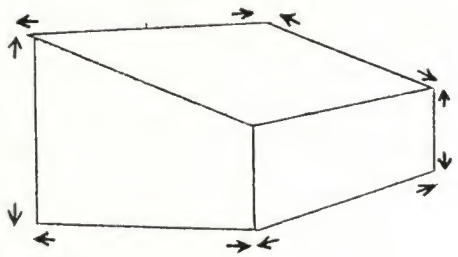
Pick out the type of building on which you want an estimate and send us a rough drawing similar to the illustration, marking the various lengths as indicated between the arrows.



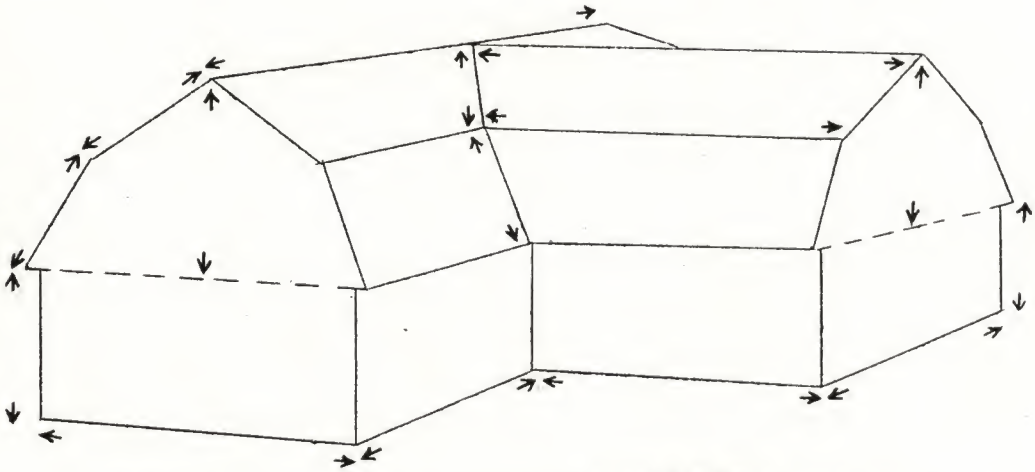
We are always glad to quote lump sum figures on any roofing or siding job. Do not feel that our estimate puts you under any obligation. Send us measurements and we will quote promptly.



State the Kind of Material You Require

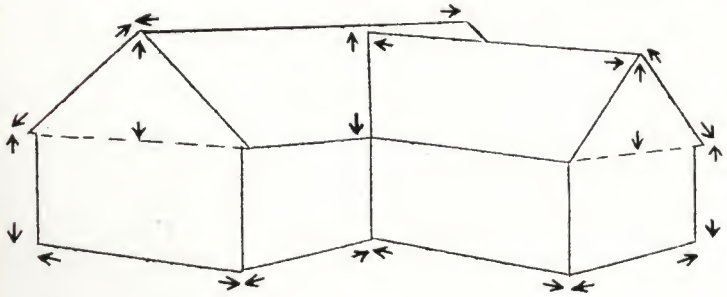


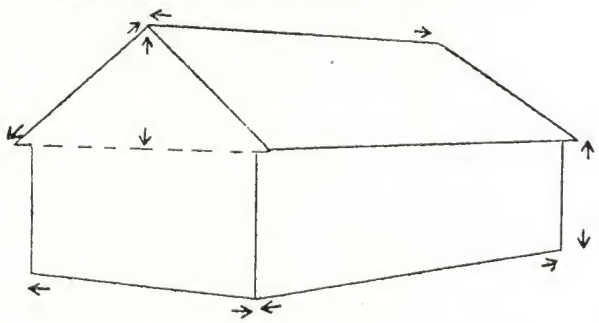
Check Your Measure-ments Care-fully



Check Your Measure-ments Care-fully

We furnish full information for applying WESTEEL Building Materials.





WESTERN STEEL PRODUCTS LIMITED

Estimating Tables for Corrugated Iron

The following table shows the required number of 2½" x ⅝" Corrugated Sheets, 33 inches wide, to go across roofs with ridges of the lengths shown. In addition to allowing for side-laps, these figures allow for 1" turn-down at each end of roof.

If exact required length of ridge is not shown, take next longer length.

This Table allows for 1½ Corrugations Side-Lap

Using Sheets 33 inches wide

Length of Ridge	No. of Sheets	Length of Ridge	No. of Sheets	Length of Ridge	No. of Sheets	Length of Ridge	No. of Sheets
Up to 9 ft. 10 ins.	4	Up to 34 ft. 5 ins.	14	Up to 59 ft. 0 ins.	24	Up to 83 ft. 7 ins.	34
" 11 " 1 "	4½	" 35 " 8 "	14½	" 60 " 3 "	24½	" 84 " 9 "	34½
" 12 " 4 "	5	" 36 " 10 "	15	" 61 " 5 "	25	" 86 " 0 "	35
" 13 " 7 "	5½	" 38 " 1 "	15½	" 62 " 8 "	25½	" 87 " 3 "	35½
" 14 " 9 "	6	" 39 " 4 "	16	" 63 " 11 "	26	" 88 " 6 "	36
" 16 " 0 "	6½	" 40 " 7 "	16½	" 65 " 2 "	26½	" 89 " 8 "	36½
" 17 " 3 "	7	" 42 " 10 "	17	" 66 " 4 "	27	" 90 " 11 "	37
" 18 " 5 "	7½	" 43 " 0 "	17½	" 67 " 7 "	27½	" 92 " 2 "	37½
" 19 " 8 "	8	" 44 " 4 "	18	" 68 " 10 "	28	" 93 " 5 "	38
" 20 " 11 "	8½	" 45 " 6 "	18½	" 70 " 0 "	28½	" 94 " 7 "	38½
" 22 " 1 "	9	" 46 " 9 "	19	" 71 " 3 "	29	" 95 " 10 "	39
" 23 " 4 "	9½	" 48 " 0 "	19½	" 72 " 6 "	29½	" 97 " 1 "	39½
" 24 " 7 "	10	" 49 " 3 "	20	" 73 " 8 "	30	" 98 " 4 "	40
" 25 " 10 "	10½	" 50 " 5 "	20½	" 74 " 11 "	30½	" 99 " 6 "	40½
" 27 " 2 "	11	" 51 " 7 "	21	" 76 " 2 "	31	" 100 " 9 "	41
" 28 " 4 "	11½	" 52 " 10 "	21½	" 77 " 5 "	31½	" 102 " 0 "	41½
" 29 " 6 "	12	" 54 " 1 "	22	" 78 " 8 "	32	" 103 " 3 "	42
" 30 " 9 "	12½	" 55 " 3 "	22½	" 79 " 10 "	32½		
" 32 " 0 "	13	" 56 " 6 "	23	" 81 " 1 "	33		
" 33 " 2 "	13½	" 57 " 9 "	23½	" 82 " 4 "	33½		

Estimates

We are always glad to make up estimates of the complete cost of material for any job, freight allowed to any station in Canada. The estimating, however, is a very simple matter, as will be seen by reading the following simple directions:

Roofing

Divide the length of the rafter by stock length of sheets, as given on page 19, not forgetting to allow for end lap. This will give the number of sheets required to reach from eave to ridge.

If a hip roof, figure the lengths of sheets for upper and lower rafters separately.

Next consult tables above. This will give the number of sheets required to go across the roof from end to end.

Multiply the one result by the other, which will give the total number of sheets required, and convert into square feet by reference to the table below. If there are two sides to the roof, double the quantities.

Allow 1¼ pounds of nails to every 100 square feet of iron (1¾ inch 10 Gauge Galvanized Nails).

Allow ⅛ of a pound of washers to every pound of nails.

Add in necessary amount of Ridge and Hip Cap when needed.

REMEMBER that the Ridge and Hip Caps have a certain covering capacity on the rafter. If stock lengths of sheets come a little short of reaching the required length, use a larger Cap. Sizes shown on page 20. If starter is used, some allowance can also be made for what it covers.

Siding

If nailing to studs, allow 1¼ lbs. of 1½ inch 10 gauge Galvanized Nails per 100 square feet of Iron, or if nailing to 1 inch boards allow 1 lb. of 1 inch 12 gauge Galvanized Nails. No Lead Washers are necessary for Siding.

Square Feet per Sheet.

Sheets 10 feet long x 33 inches wide contain 27½ square feet.

"	8	"	33	"	"	22	"
"	6	"	33	"	"	16½	"
"	10	"	27½	"	"	$22^{11}/_{12}$	"
"	8	"	27½	"	"	18⅓	"
"	6	"	27½	"	"	13¾	"

How to Lay Corrugated Iron

WESTEEL Corrugated Sheets may be fastened to wood sheeting, or to wood battens, or to steel purlins.

On wood construction buildings, using light gauge Corrugated Iron, the usual method is to lay 1″ x 4″ battens across the rafters at about 24″ centres. There must be a batten underneath each end joint, as shown in cut below.

On steel construction buildings the steel purlins are placed 30″ to 42″ apart, depending on the gauge of metal used. (See page 22 for details of attaching Corrugated Iron to steel purlins.)

For roofing on wood construction, nails should be driven only through the top of the corrugation, using a lead washer with each nail, as shown below. Nail every corrugation along the eave, and every second corrugation on the balance of roof—a row of nails at every batten.

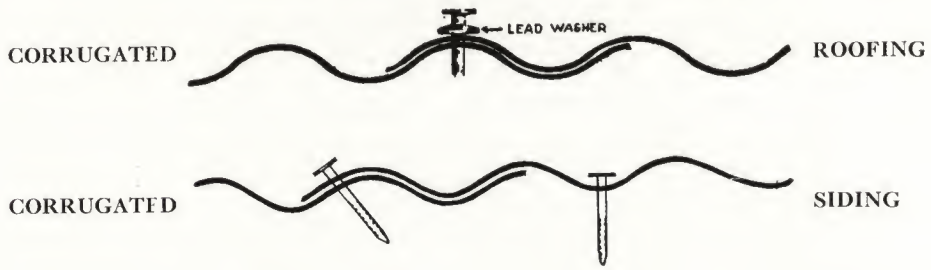
For siding, nail in the bottom of the corrugation—lead washers not necessary.

For roofing, allow an end lap of from 3″ to 6″, depending on pitch of roof. For siding, an end lap of 1″ or 2″ is sufficient.

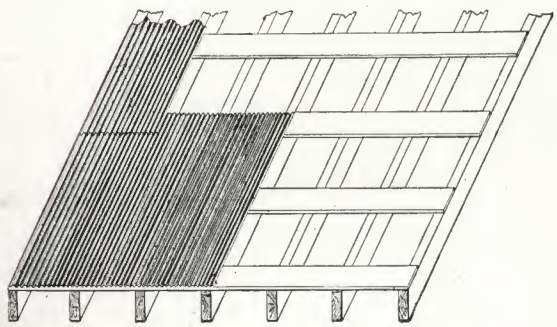
In all cases the side lap is 1½ corrugations, as illustrated below.

If desired, Corrugated Iron Siding may be laid with the corrugations running crosswise instead of vertical. This imparts great stiffness to the building.

How Sheets are Lapped



Corrugated Iron without Sheeting



Re Handling of Corrugated Iron

Galvanized Corrugated Sheets should be kept dry to prevent being tarnished, and should never be stacked in the open air WITHOUT an air space between each sheet, otherwise rain and other moisture will, by chemical action, when the sheets touch each other, produce an oxidation on the surface.

Rain or snow will do the sheets no harm if allowed to run off, and the sheets to dry in due course, but it must not be allowed to get on or between the sheets before being fixed on the roof, etc.; therefore, when stacked together in the open air they should always be well protected by a covering and not allowed to be touched by wet or damp.

See page 23 for correct way to lay Corrugated Sundries.

Siding

Plain Brick Siding

Made only from highest quality Galvanized Copper-Bearing Steel.

Illustration Shows One Sheet. Covering Size 22¼ x 17½ inches. 37 Sheets to a Square. Packed One Square to a Crate.

Net weight about 66 lbs. per square.

Shipping weight, including crate, about 74 lbs. per square.

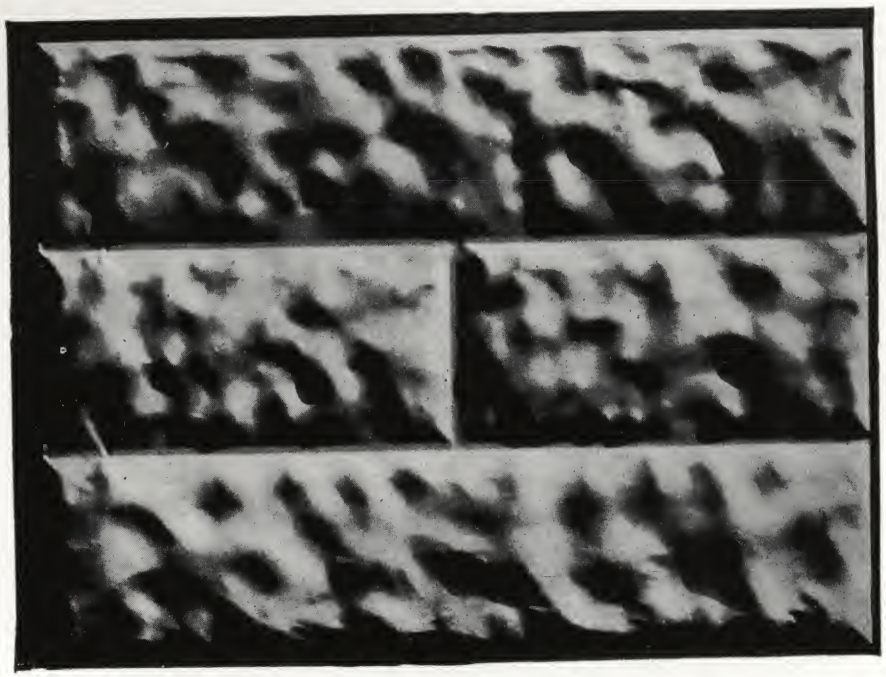
Should be laid on wood sheeting, or can be laid over any reasonably smooth surface. Commence laying at lower right-hand corner of wall. Slip flanges on right sides into locks on left sides. Lap upper courses over lower courses down to first mortar line (about ½ inch). Start every second course with a third of a sheet.

Nail through flange at left side before entering next sheet in lock. Nail closely along horizontal joints and a few nails through body of sheet, sufficient to ensure flatness.

At corners use Imperial or V Corner Cap, (see page 33), or bend siding sheets sharply.

1½ lbs. of 1 inch 12 gauge Galvanized Nails will lay a square. See page 22 for Nails.

Siding (Continued)



Rock "Four-in-One" Siding

(Also called Rock-faced Stone)

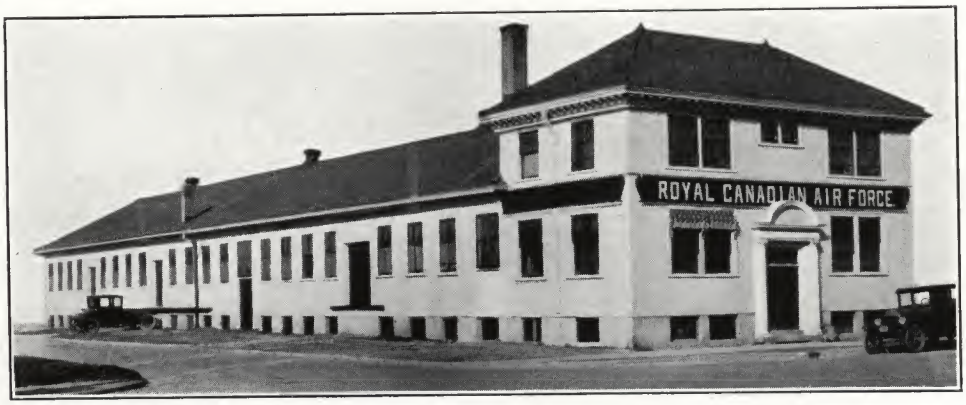
Made only from highest quality Galvanized Copper-Bearing Steel.
Illustration shows One Sheet. Covering Size 23 x 17¼ inches. 37 sheets to a Square.
Shipping weight about 66 lbs. per square.

Should be laid on wood sheeting, or over any fairly level surface. Commence laying at lower right-hand corner of wall, lapping the narrow flanges (on bottom and right sides) over the wide flanges (on top and left sides). Start every second course with a half sheet. Nail through flanges at least every 6 inches. Also 2 nails in upright mortar line in centre of sheet.

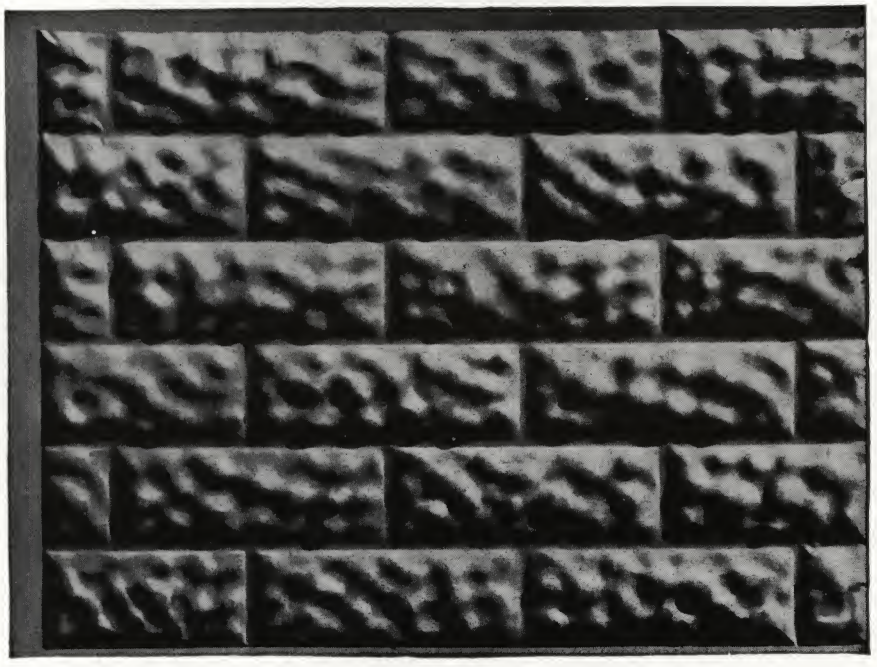
At corners use Rock-corner, page 33, or bend Siding Sheets sharply.

1 lb. of 1 inch 12 gauge galvanized nails will lay a square.

See page 22 for nails.



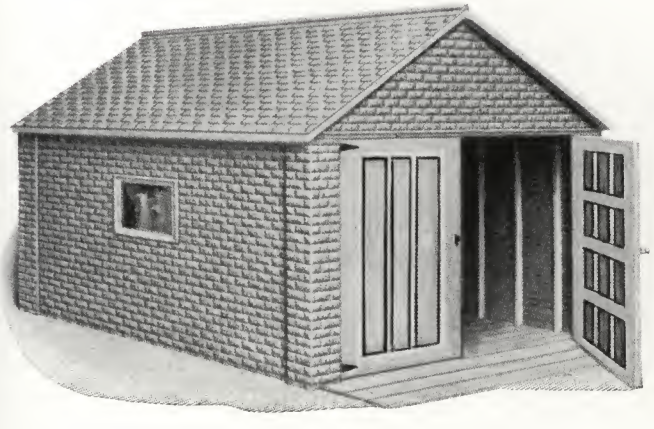
Siding (Continued)



Rock-Faced Brick Siding

Illustration shows one Sheet. Covering Size 22¾ x 17¼ inches. 37 Sheets to a Square.

Made only from highest quality Galvanized Copper-Bearing Steel. Shipping weight about 66 lbs. per square.



Should be laid on wood sheeting, or over any fairly level surface. Commence laying at lower right-hand corner of wall, lapping the narrow flanges (on bottom and right sides) over the wide flanges (on top and left sides). Start every second course with a third of a sheet. Nail through flanges at least every 6 inches, also a few nails in body of sheet.

At corners use Rock-Faced Brick Corner, page 33, or bend Siding Sheets sharply.

1½ lbs. of 1 inch 12 gauge galvanized nails will lay a square. (See page 22 for nails.)

Siding (Continued)

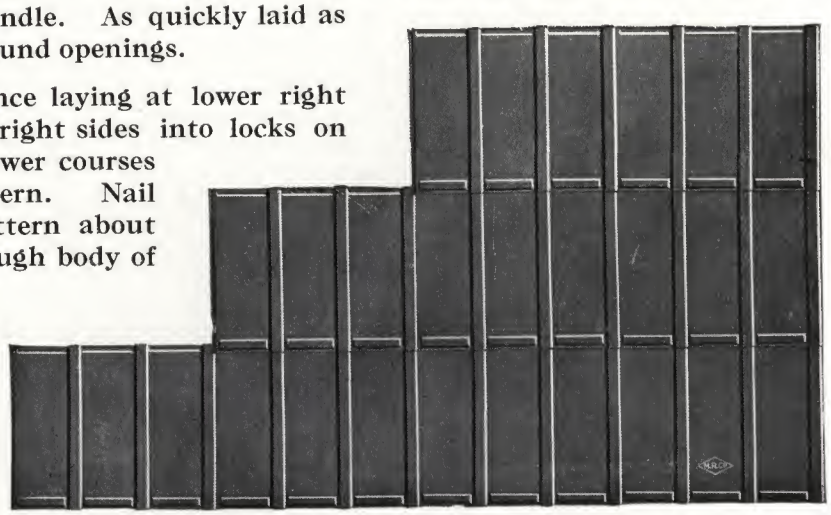
"Manitoba" Siding

Made from Highest Quality Galvanized Copper-Bearing Steel.
Illustration Shows One Sheet. Covering Size 22¼ x 17½ inches. 37 Sheets to a Square.
Packed one Square to a Crate.

Net weight about 66 lbs. per square.
Shipping weight, including crate, about 74 lbs. per square.

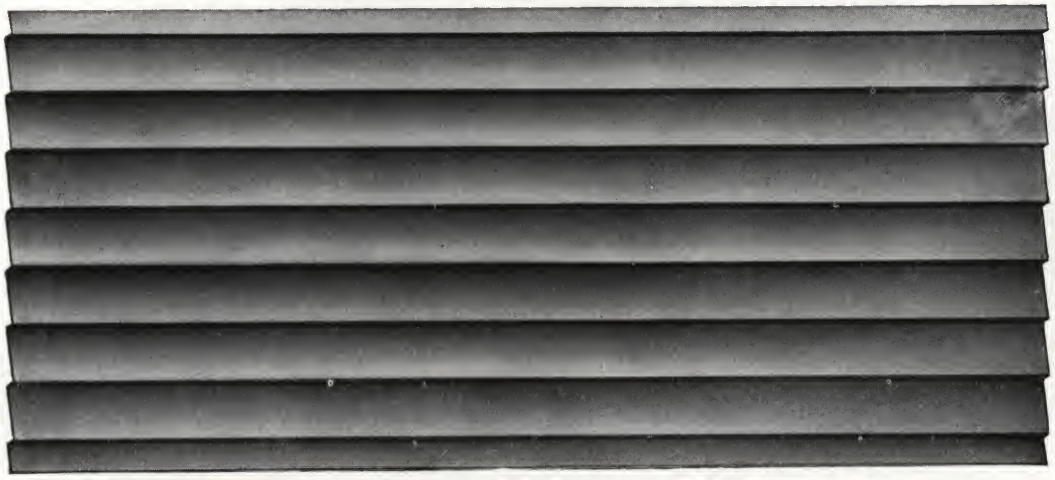
Specially suitable for Grain Elevators, Mine Buildings, Mills, Warehouses, etc. Method of nailing allows free settling of the building without pulling nails or buckling sheets. Neat, absolutely weather-proof and convenient to handle. As quickly laid as Corrugated Iron and easier to work around openings.

Laid on wood sheeting. Commence laying at lower right hand corner of wall. Slip flanges on right sides into locks on left sides. Lap upper courses over lower courses down to shoulder stamped in pattern. Nail through indentations stamped in pattern about 2 inches from bottom. No nails through body of sheet. Joints are NOT broken.



At corners use Imperial or V Corner Cap (see page 33), or bend siding sheets sharply. 1 lb. of 1 inch 12 gauge galvanized nails will lay a square. (See page 22 for Nails.)

Siding (Continued)



Clapboard Siding

(Crimped)

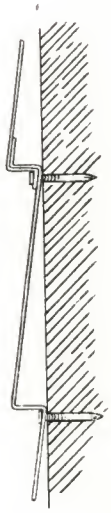
Made only from highest quality Galvanized Steel.

Size of Stock Sheets 96 x 27¼ inches (covering size 95 x 26 inches). Seven Boards to a Sheet, each 3¾ inch face, ½ inch butt.

We can also supply Sheets 96 x 32½ inches (covering size 95 x 30 inches).

Shipping Weight, about 80 lbs. per 100 square feet.

We also supply Clapboard Siding in 6 ft. and 10 ft. Sheets.



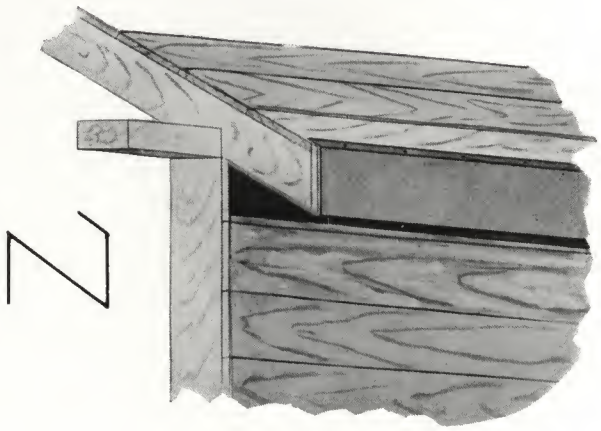
Made from Best Quality sheets, which are first accurately squared and lightly crimped. Crimping is very important to finished appearance as it removes all wave or buckle from the sheets. Our Crimped Die-formed Clapboard should not be confused with ordinary hand-made products.

Applied DIRECT TO STUDS placed up to 23¾-inch centres, or can be laid over wood sheeting.

Is best laid by commencing at the top and working downwards, leaving the lower edge of each sheet unnailed until the top of the sheet below is slipped under it. Start every second course with a half sheet. At corners use Clapboard Corner Cap (see page 33). Cut at left shows where to nail. 1 lb. of 1 inch 12 gauge galvanized nails will lay 100 square feet. (See page 22 for nails.)

Eave and Gable Cornices

Gable Cornice

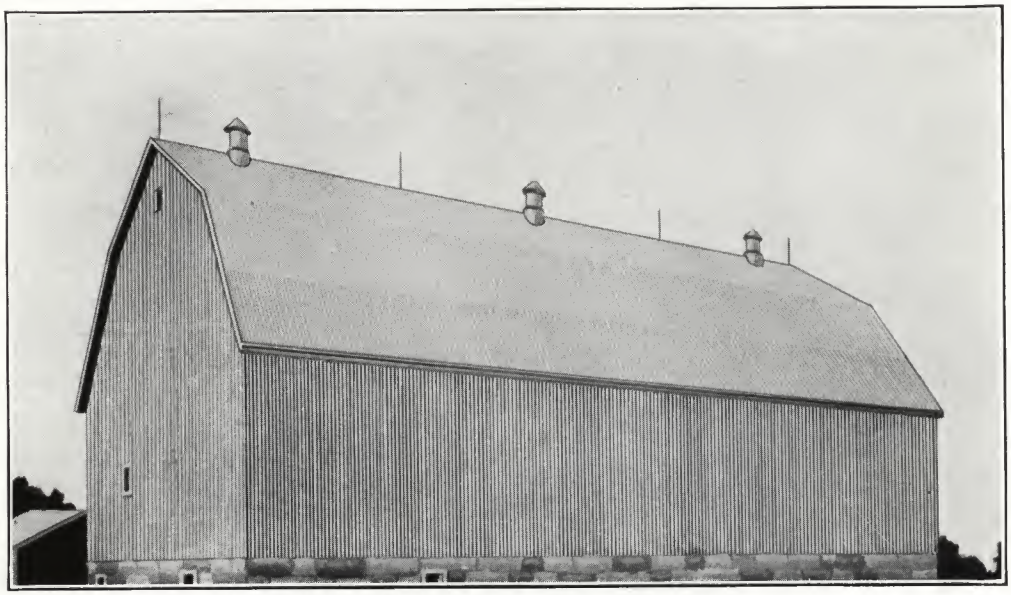


Eave Cornice

Eave and Gable Cornices are for the purpose of enclosing the projecting portions of roofs at Eaves and Gables, making a neat finish and completing the fire-protection obtained by the use of WESTEEL Roofing and Siding.

Made from crimped Galvanized Sheets in any shape or size required to fit the building. Lengths of 8 or 10 feet.

In ordering send sketch showing pitch of roof, together with accurate measurements of eave and gable projections over which cornice is to fit.



Try WESTEEL Service

Corner Caps

Rock Corner Cap

Rock Corner

Galvanized

13 inches on each side, ¾ inch projection. Lengths cover 92½ inches each. Applied before Siding. Weighs about 2 lbs. per foot. Used with Rock 4-in-1 or other sidings.

Can also be supplied reverse for INSIDE corners.

Rock-Faced Brick Corner

Galvanized

13 inches on each side, ¾ inch projection. Lengths cover 93½ inches each. Applied before Siding. Weighs about 2 lbs. per foot. Used with Rock-faced Brick or other Sidings.

Can also be supplied reverse for INSIDE corners.

Rock-Faced Brick Corner

"V" Corner Cap

Galvanized

10-foot lengths and shorter. 2½ inches on each face. Used with Plain Brick or Manitoba Siding. Applied AFTER Siding.

Can also be supplied reverse for INSIDE Corners.

"Imperial" Corner Cap

Galvanized

10 foot lengths and shorter. 2 inches on each face and nailing flange. Used with Plain Brick or Manitoba Siding. Applied BEFORE Siding.

Can also be supplied reverse for INSIDE Corners.

Clapboard Corner Cap

Galvanized

10 foot lengths and shorter. 3 inches on each face, ¾ inch projection. Used with Clapboard Siding, or with Corrugated Iron when laid crosswise. Applied BEFORE Siding.

Can also be supplied reverse for INSIDE Corners.

WESTEEL

Roof Lights

Style No. 6
Movable Sash. Corrugated Collar.

Inside View of Movable Sash Style, showing Opening Arrangement and Desirable Method of Support. On wood-sheeted Roofs no Special Supports are needed.

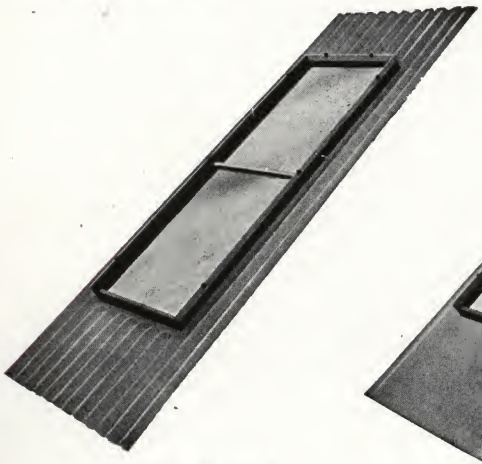
WESTEEL Roof Lights

A Simple, Efficient Skylight Suitable for use on Pitched Roofs of Every Description

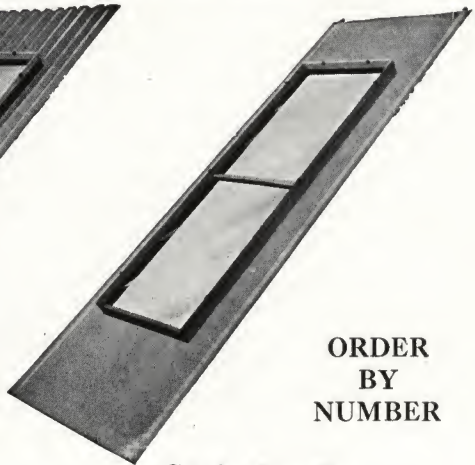
Extreme size of collar 8 feet x 2 feet 9 inches (plain collar styles 2 feet 8 inches). Glass size is 5 feet x 20 inches. ATTACHED BY SIMPLY NAILING TO THE ROOF. Glass should be bedded in putty. Movable sash styles raise 26 inches by pulling cord or can be thrown right back. Styles 4 and 6 simply take the place of one 8-foot sheet of corrugated iron. Styles 8 and 10 can be used with any kind of roofing.

Special sizes promptly made to order.

GLASS.—¼-inch Wired Glass. Usually shipped separate—sometimes set in sash BUT NOT PERMANENTLY BEDDED.

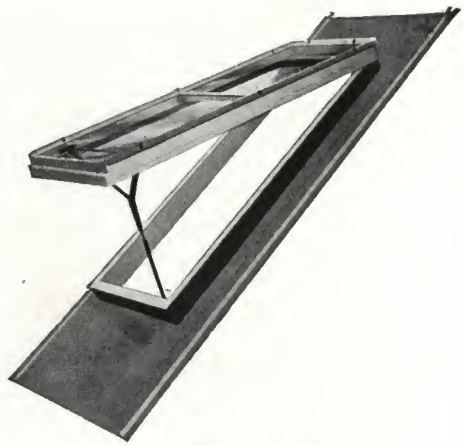


Style No. 4
Stationary Sash Corrugated Collar



Style No. 8
Stationary Sash.
Plain Collar.

ORDER BY NUMBER

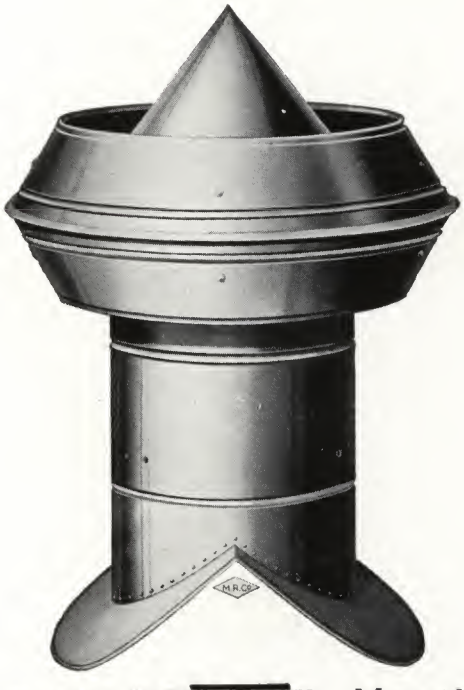


Style No. 10
Movable Sash.
Plain Collar.

Ventilators

No. 239 WESTEEL Ventilator

This style is furnished to tinsmiths or others for attaching to a pipe or base of their own make.



No. 240 WESTEEL Ventilator

Handsome and symmetrical in appearance, the real value of the WESTEEL lies in its ability to ABSOLUTELY RESIST DOWN DRAFT, and to create a POSITIVE UPWARD DRAFT under the slightest temperature changes, or under wind from any direction. Wind from any side, from above, or with an upward sweep from below, creates alike an upward suction in the flue.

WESTEEL Ventilators are suitable for Factories, Foundries, Barns, Stables, Ice-houses, Storage Sheds, Railway Shops, Toilet Vents, etc., etc. The wide range of sizes and styles as shown enables a suitable choice to be made for every purpose.

The construction of the damper in WESTEEL Ventilators provides a simple yet positive shut-off, easy of operation. Dampers are not sent unless ordered.

Note the condensation gutter and outlets provided around the neck. WESTEEL Ventilators never "drip" from condensation or other causes.

No. 240 WESTEEL Ventilator

No. 240, as cut at left, is also furnished with CORRUGATED FLANGE. Plain flange sent unless otherwise ordered.

This is the popular style for ridges of Gable Roofs. Simply nail it on, OVER the roofing. Also made to sit on side of sloping roofs.

Nos. 239 and 240 can be furnished with Spire and Ball at top similar to No. 242.

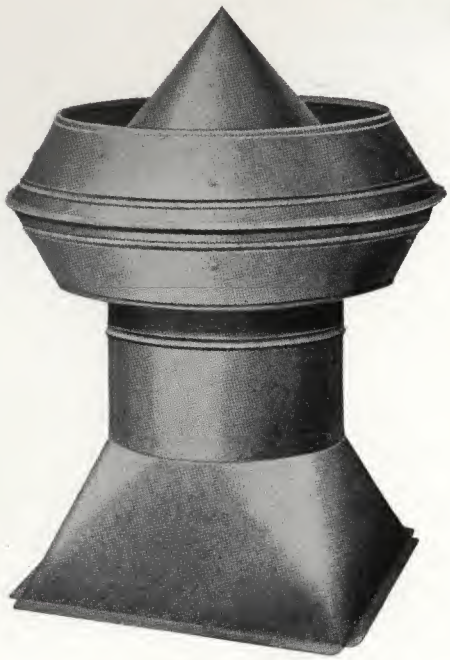
Nos. 241 and 242 can be furnished with base notched out to suit pitch of roof.

ORDERS

Give style number and size. Mention if Damper is wanted. For style number 240 ALWAYS GIVE PITCH OF ROOF.

Ventilators

(Continued)



No. 241 WESTEEL Ventilator

Order by number and size. Mention Damper if wanted.

No. 241, as cut above, is Standard style for flat-roofed buildings. Attach by nailing through flange around base.

Also suitable for ridge of Gable Roofs by notching out to suit pitch.

Special base can be furnished when Ventilator is to sit on side of sloping roof.

No. 242 WESTEEL Ventilator

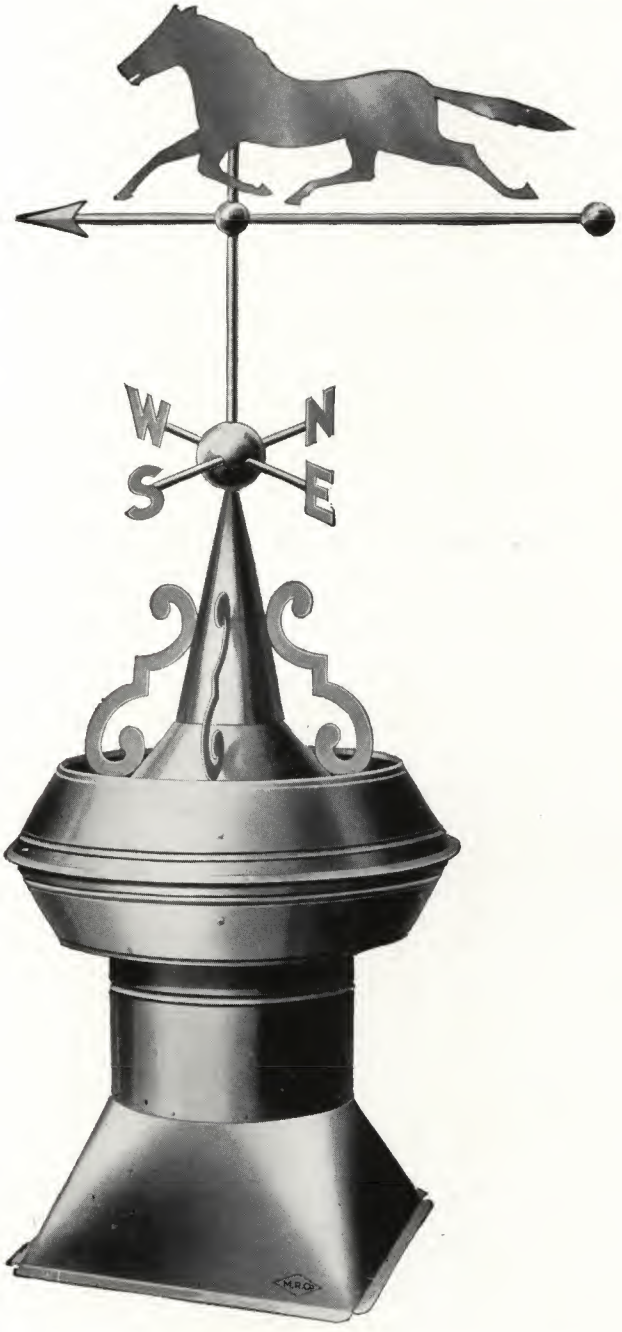
Similar to No. 241, but with Spire and Ball added at top.

Standard Sizes, Capacities and Measurements

SIZE (Diameter of Neck)	CAPACITY (Area of Neck in Square Inches)	Diameter at largest point	Measurements of Base Nos. 241, 242, 247	Height No. 239 over all	Height No. 240 from bottom of neck to tip of cone	Height No. 241 over all	Height No. 242 over all	Height No. 247 over all
Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
6	28	11½	9 x 9	11	14	15	21	.....
8	50	15⅓	12 x 12	14⅔	18⅔	20	28	.....
10	78	19⅙	15 x 15	18⅓	23⅓	25	35	.....
12	113	23	18 x 18	22	28	30	42	.....
15	176	28¾	22½ x 22½	27½	35	37½	52½	.....
18	254	34½	27 x 27	33	42	45	63	90
20	314	38⅓	30 x 30	36⅔	46⅔	50	70	.....
24	452	46	36 x 36	44	56	60	84	120
30	706	57½	45 x 45	55	70	75	105	150
36	1,017	69	54 x 54	66	84	90	126	180
48	1,809	92	72 x 72	88	112	120	168	.....

Larger sizes can be furnished—data on request stating requirements.

Ventilators (Continued)



No. 247 WESTEEL Ventilator and Weather-Vane

Combined Ventilator and Weather-Vane

A Handsome Finish for Any Building

In the No. 247 style is found a masterful combination of Beauty and Utility which makes it a fitting crown for the magnificent Barns being erected in ever-increasing numbers by progressive Canadian farmers. While retaining to the full the ventilating properties which have made famous the name of WESTEEL, the No. 247 gives a Barn a style—a finishing touch—which cannot be excelled, and must be seen to be thoroughly appreciated.

Construction throughout is strong and substantial. The Vane turns easily with the slightest wind.

Best effect is obtained by mounting on a square wooden curb built up level with the ridge of the roof.

Where a building requires several Ventilators use one No. 247 (in the middle) and styles No. 240 or 242 on either side.

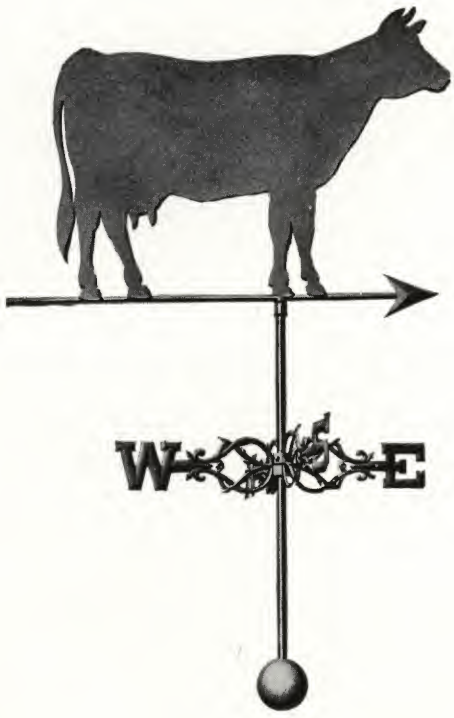
Full particulars and measurements are shown on page 36.

Weather-Vanes

A Tasteful Finishing Touch to Any Building.

Any Design or Style of Animal Reproduced from Magazine Picture or Photograph.

No. 1552



No. 1553

Permanent as the Building itself. Cannot get out of order.

CONSTRUCTION.—Stems of all weather-vanes are heavy, galvanized wrought iron pipe. Ornament or animal is made of best quality galvanized sheet steel. Bodies are made one inch thick, giving solid appearance. Swivels are made of machined brass, and are placed inside, protected from the weather. Vanes will turn easily with the slightest wind. Height about 8 feet from the roof. Vanes 3½ to 4 feet wide. Attached by sinking stem through the roof about 18 inches and staying it there on inside. Stem is sent long enough to allow for this. Can also be supplied in copper.

Skylights

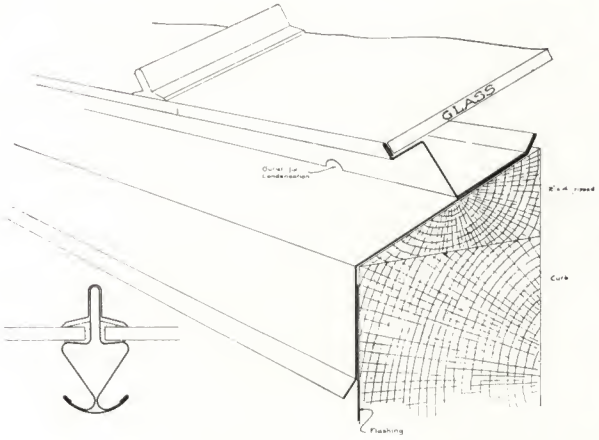


ILLUSTRATION SHOWS CONSTRUCTION OF OUR STANDARD SKYLIGHT

The bar formation develops a maximum of rigidity and strength, the reinforcement being varied in thickness to conform to the length of the rafter.

Note the adequate provision for imbedding the glass and taking care of condensation.

Skylights can be supplied with either Rough Rolled Wired, or Plain Ribbed Skylight Glass as desired. Unless specially ordered Rough Rolled Wired Glass will be shipped.

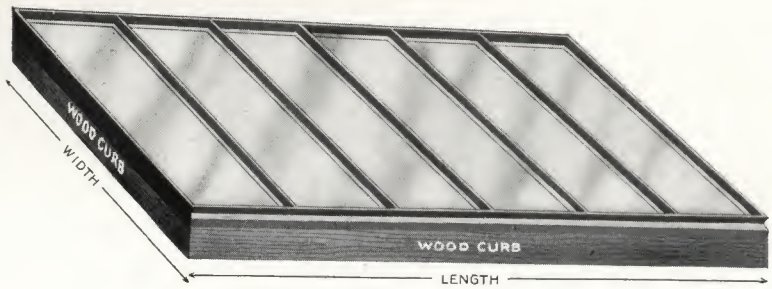
WESTEEL Skylights are Fire and Waterproof
They provide maximum light area

Showing Portion of Train Shed at Union Station, Winnipeg, Man.

These are only a few of the Copper Skylights supplied and erected by us on this building in 1912. The efficiency of our construction has been amply proven by the service given by these skylights since that time. This is typical of many large installations made by our Company.

Skylights (Continued)

Made of Galvanized Steel or Copper

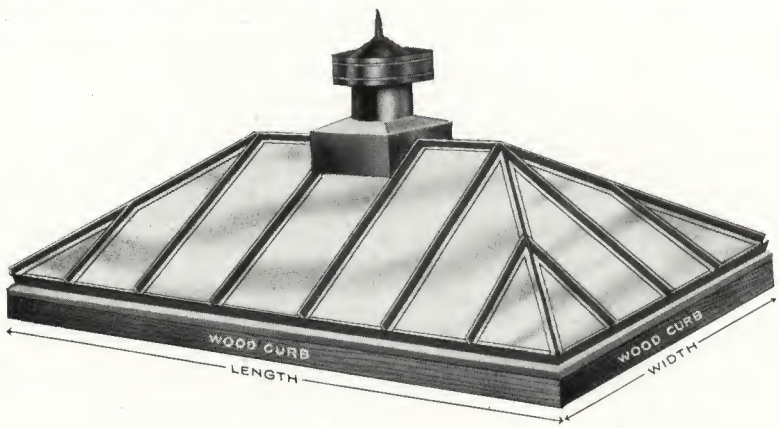


No. 201

Single Pitch Skylight for roofs having a pitch of 2 inches or more per foot. When ordering give outside curb measurements. Be sure to show *WIDTH FIRST*.

No. 202

Double Pitch Skylight set on a level curb with flush metal ends. When ordering give outside curb measurements.



No. 203

Hipped Skylight set on level curb with Ventilator placed on Ridge.

Skylights Nos. 202 and 203 can be furnished with or without Ventilator. More than one Ventilator can be put on each skylight if the size of skylight will permit. Dampers for ventilators are only shipped when specially ordered.

When ordering give outside curb measurements.

We can also furnish any style or design to architects' details

WESTEEL

Cornices, Crosses, Store Fronts

Made from Galvanized Steel or Copper

A strongly made, well proportioned Cornice improves the appearance of any building at a low cost. On the following pages we show a few of our stock designs. We make a specialty of building cornices to architects' details, and will be pleased to quote prices on any style or size desired.

Our expert draughting department is at your service for consultation and advice.

WHEN ORDERING

State whether building is brick or wood, whether building is in course of erection or is already built.

Give distance across wall at foot of cornice.

State what finish is wanted at ends, whether end blocks, or return mitres.

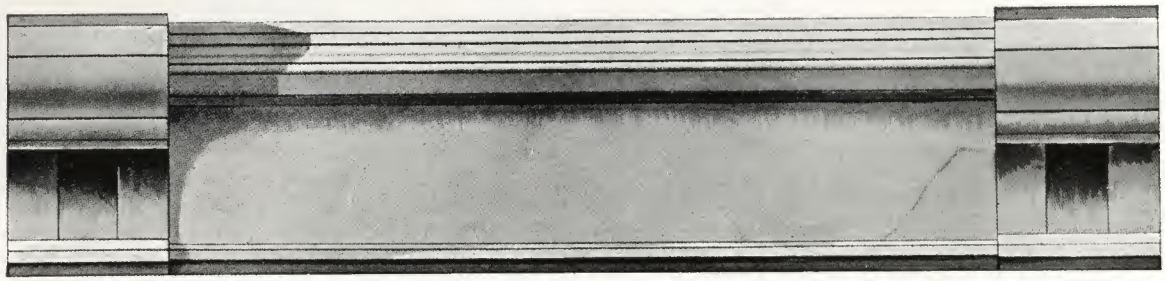
METAL STORE FRONTS

Sheet metal fronts are easily erected, moderate in cost, and give satisfactory service. In requesting estimates, send plans, diagrams or rough drawing of elevation, showing all measurements. Give measurements of every detail possible; state kind of material desired and general style of design.

Our equipment for the manufacture of this work is complete in every detail.

Cornices

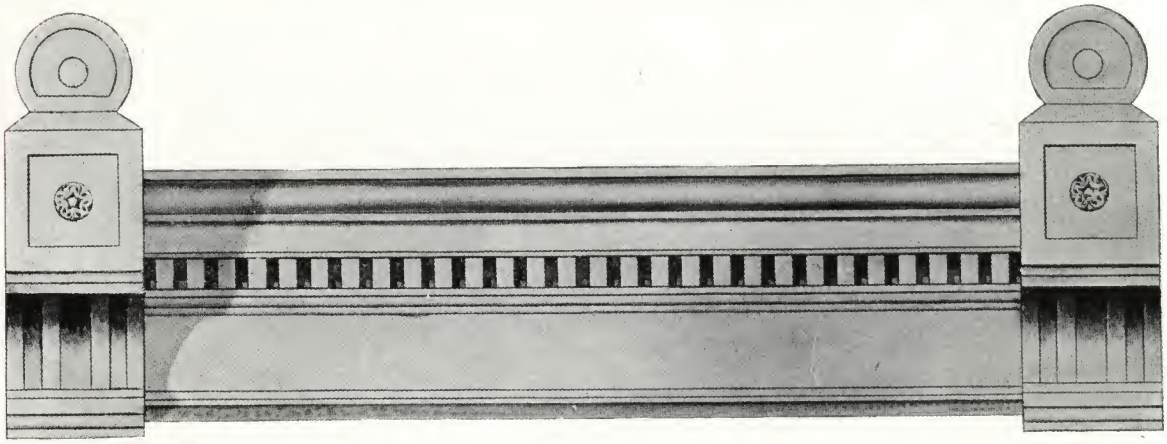
Galvanized or Copper



No. 841

Cornice—Height 22 ins.
Projection 12 ins.

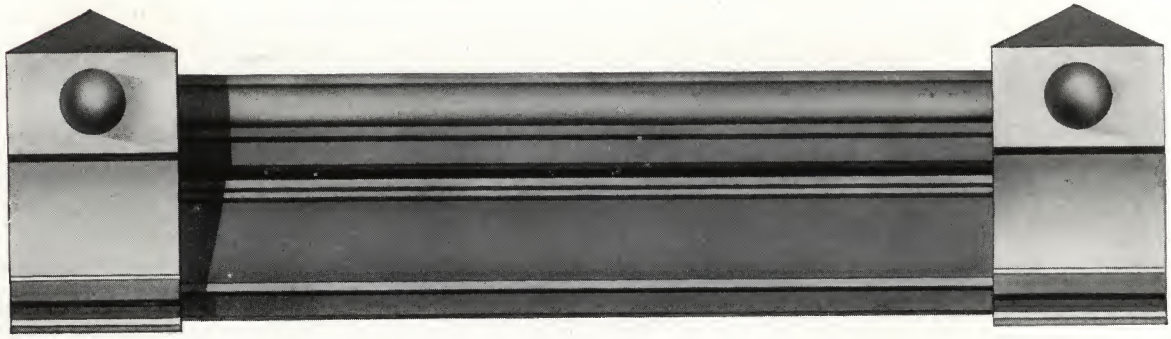
End Blocks—Height 20 ins.
Width 12 ins.



No. 842

Cornice—Height 22 ins.
Projection 10 ins.

End Blocks—Height 36 ins.
Width 12 ins.



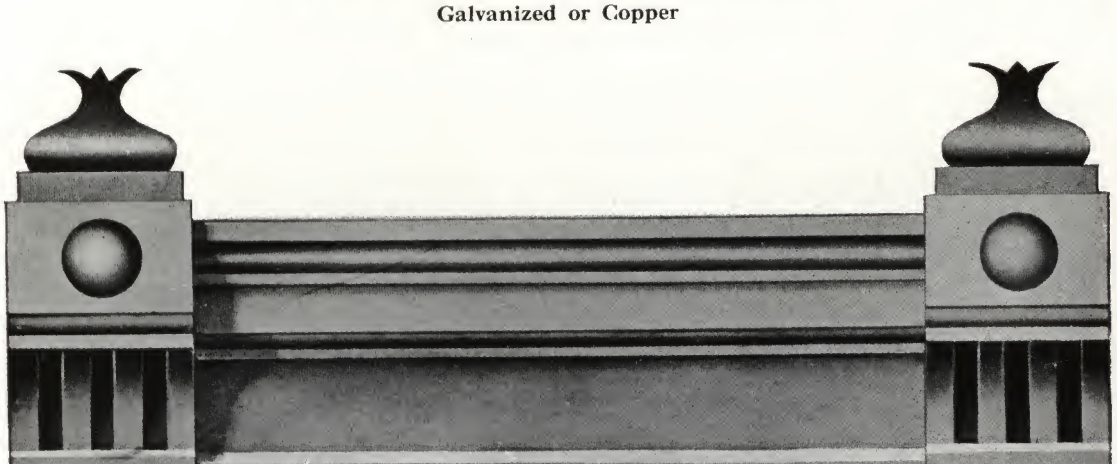
No. 843

Cornice—Height 22 ins.
Projection 12 ins.

End Blocks—Height 30 ins.
Width 12 ins.

Cornices (Continued)

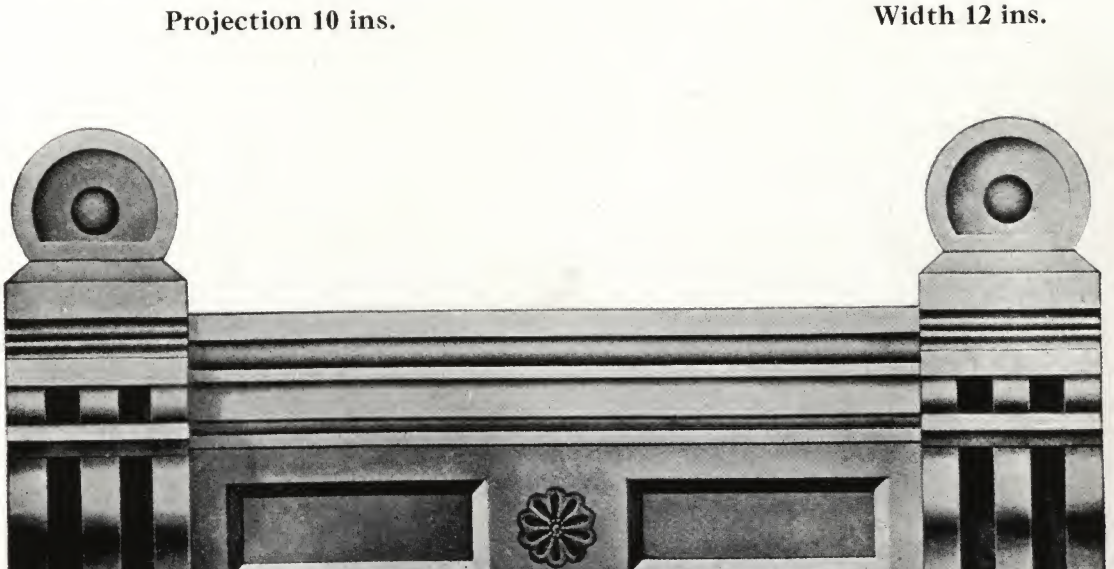
Galvanized or Copper



No. 844

Cornice—Height 24 ins.
Projection 10 ins.

End Blocks—Height 38 ins.
Width 12 ins.



No. 845

Cornice—Height 24 ins.
Projection 10 ins.

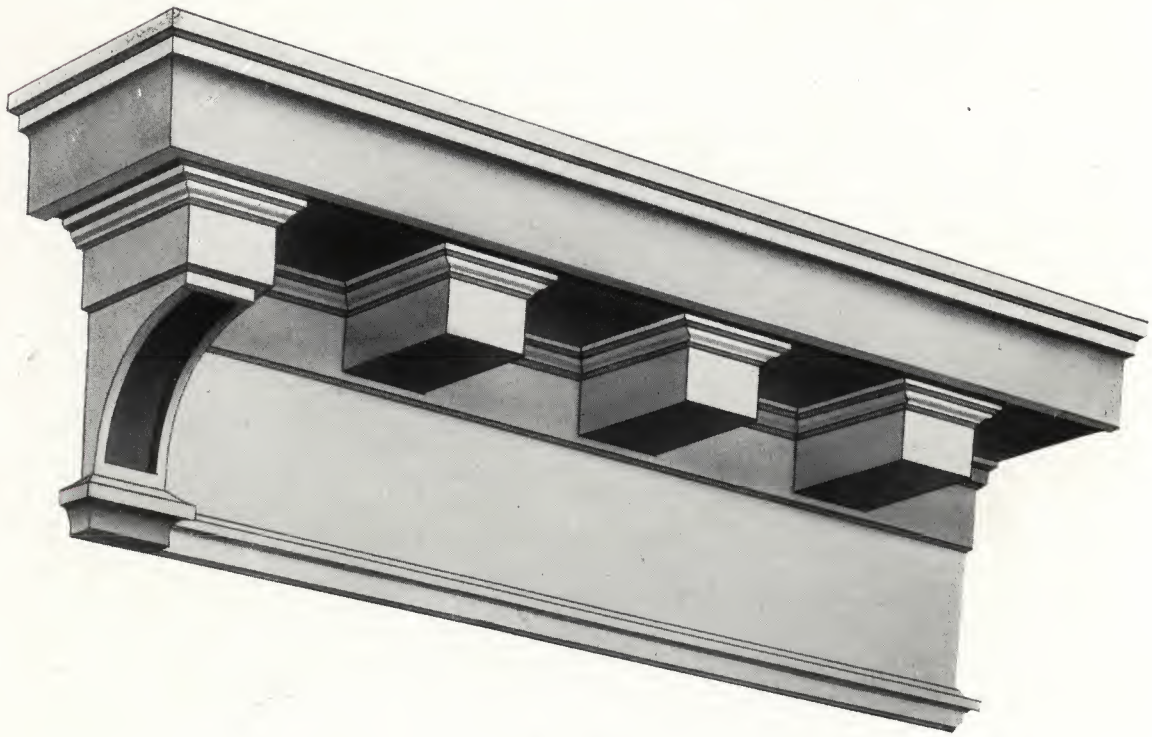
End Blocks—Height 30 ins.
Width 12 ins.

Cornices (Continued)

Galvanized or Copper

No. 846

Height 24 ins. Projection 16 ins.



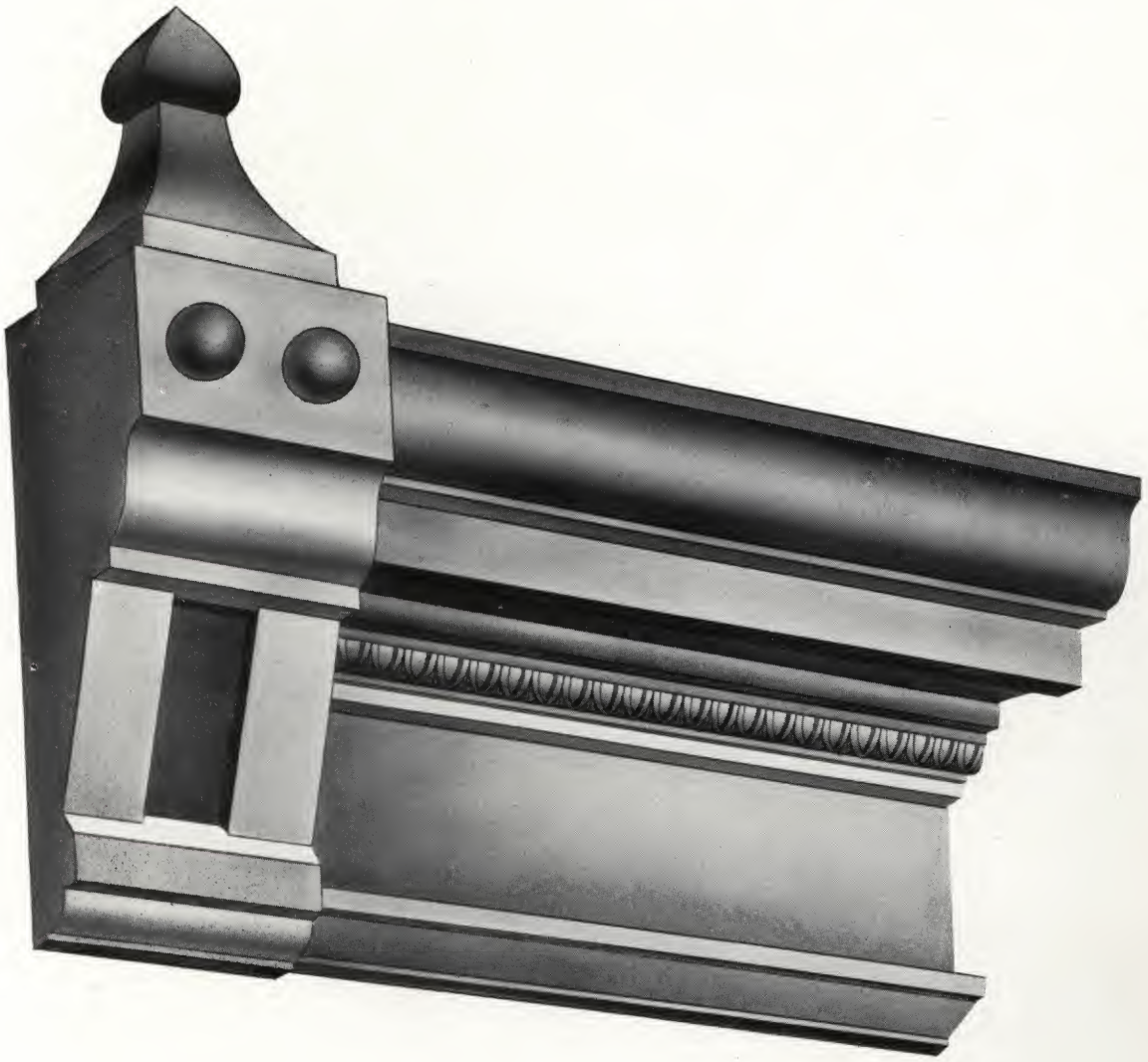
No. 847

Height 28 ins. Projection 15 ins.

End Blocks 12 inches wide.

Cornices (Continued)

Galvanized or Copper



No. 848

Cornice—Height 28 ins.

Projection 15 ins.

End Blocks—Height 40 ins.

Width 12 ins.

Cornices (Continued)

Galvanized or Copper

No. 849

Height 60 ins. Projection 30 ins.

These are a few suggestions of what can be done with Ornamental Sheet Metal at a moderate cost.

We make any style to Architects' details

WESTEEL

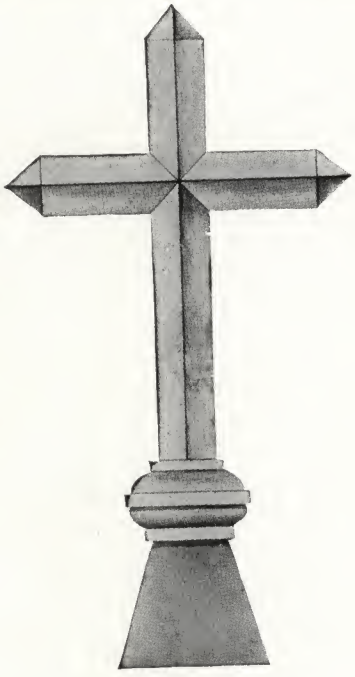
Crosses

Made from Galvanized Steel or Copper

First-class workmanship, highest quality materials, close attention to crating and shipping. These are the features you receive when ordering goods to be made up by us.

We make all styles and sizes, and from any drawings furnished.

No. 106
Height, 3 to 6 feet



No. 107
Height, 3 to 6 feet

No. 108
Height, 4 to 7 feet

State whether Round, Square or Octagon Base is wanted.

WESTEEL Finials or Terminals

Made from Galvanized Steel or Copper

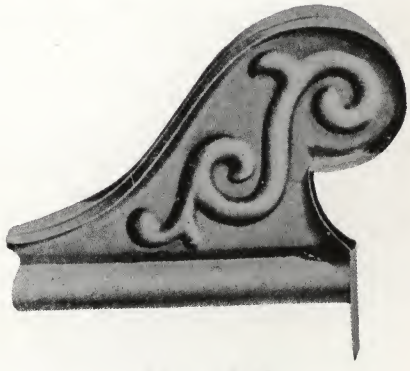
Made to fit any size Ridge up to and including 3 inch diameter Roll.

Neat and Artistic. Excellent for any style of building with a pitch roof.

We make all sizes and styles of finials and from any drawings furnished.

Always order by number.

Estimates given free on special styles on receipt of specifications.



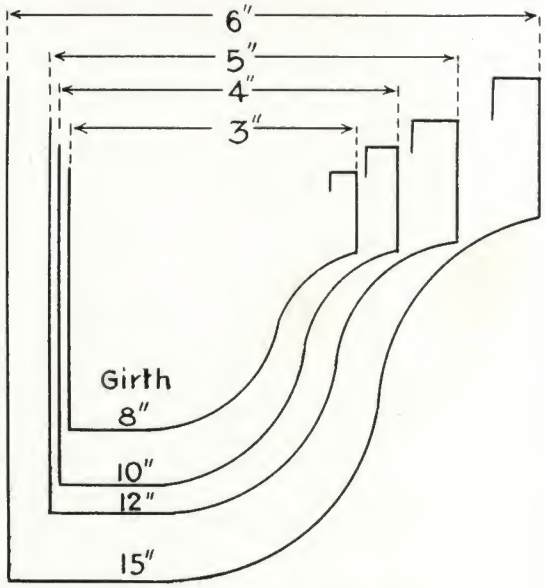
No. 1048
9″ High, 10″ long

WESTEEL

Eavetrough

All WESTEEL Eavetrough, Conductor Pipe and Fittings are made from the highest quality Galvanized Copper-Bearing Steel. Numerous tests and scientific research have proven conclusively that steel with a copper content offers greater resistance to rust and corrosion than ordinary steel. Long life and satisfactory service are assured when WESTEEL products are specified.

WESTEEL Eavetrough is die stamped on huge presses with accurate steel dies, thus ensuring every length being true and even. In consequence each length fits perfectly when placed in position. It makes a far more satisfactory job than uneven hand-made trough.



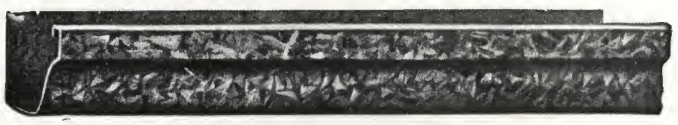
WESTEEL
EAVETROUGH
Fits like a glove

8″	Girth	used	with	2″	Conductor	Pipe
10″	“	“	“	3″	“	“
12″	“	“	“	4″	“	“
15″	“	“	“	5″	“	“
18″	“	“	“	6″	“	“

Die Stamped
100%
Perfect

Can also be supplied in Copper

Special Trough made to your details at reasonable prices.



WESTEEL O. G. Trough
Shipped in 10-foot lengths

WESTEEL Half Round Trough
Shipped in 10-foot lengths

WESTEEL Slip-Joint Trough
Shipped in 10-foot lengths

WESTEEL

Eavetrough Fittings

All WESTEEL Eavetrough, Conductor Pipe and fittings are made from the highest quality heavily galvanized Copper-Bearing Steel. Numerous tests and scientific research have proven conclusively that steel with a copper content offers greater resistance to rust and corrosion than ordinary steel. Long life and satisfactory service are assured when WESTEEL products are used.

End and Centre Drops

End Drop (Left)

When ordering be sure to state if Right or Left End Drops wanted.

Trough Section is 12 ins. long.

Centre Drop

(Both Ends Open)

Drop is 4 ins. deep.

Size of Trough	Size of Outlet
8″ girth	2 ins.
10″ girth	3 ins.
12″ girth	4 ins.
15″ girth	5 ins.
18″ girth	6 ins.

Outlets

Made for any Size or Style of Trough

Inside and Outside Mitres

Inside Mitre

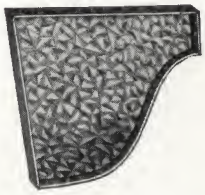
Outside Mitre

(Made for O. G., Half Round or Slip Joint Trough)

Size of Trough

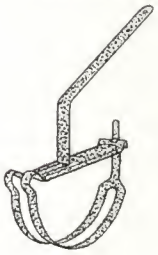
8-inch girth
10-inch girth
12-inch girth
15-inch girth
18-inch girth

End Caps



Made for any Size or Style of Trough

Hangers for Half Round Trough



Cut at right shows method of application.

No tools needed to apply them.

Sizes for

8-inch trough
10-inch trough
12-inch trough
15-inch trough
18-inch trough

Trough Tubes or Ferrules

Usually Spaced Every 3 Feet

Diam.	Length	Use with	Average Number per Lb.
½″	2¼″	8″ trough	40
½″	3¼″	10″ trough	30
½″	4″	12″ trough	24
½″	5″	15″ trough	20
½″	6″	18″ trough	16

Trough Spikes

Length	Use with	Average Number per Lb.
6″	8″ trough	13
7″	10″ trough	11
7″	12″ trough	11
8″	15″ trough	9
8″	18″ trough	9

Conductor Pipe

All WESTEEL Conductor Pipe, Eavetrough and fittings are made from the highest quality heavily galvanized Copper-Bearing Steel. Numerous tests and scientific research have proven conclusively that steel with a copper content offers greater resistance to rust and corrosion than ordinary steel. Long life and satisfactory service are assured when WESTEEL products are used.

Plain Round Conductor Pipe

Round Corrugated Conductor Pipe

Corrugated Rectangular Conductor Pipe

Plain or Corrugated Pipe

Diam.	Use with	Shipping Wt. per 100 feet
2 inch	8″ trough	45 lbs.
3 inch	10″ trough	60 lbs.
4 inch	12″ trough	85 lbs.
5 inch	15″ trough	100 lbs.
6 inch	18″ trough	120 lbs.

Shipped in 10-foot Lengths.

Size	Use with	Shipping Wt. per 100 feet
2¾x4¼	10″ trough	90 lbs.
3¾x5	12″ trough	100 lbs.

Shipped in 10-foot Lengths.

Special Conductor Pipe made to your details at reasonable prices.

The use of Corrugated Conductor Pipe is strongly recommended. The corrugations give strength and rigidity not obtainable by other styles. In addition, Corrugated Conductor Pipe gives a distinctive appearance.

Use and Recommend Corrugated Conductor Pipe

It Costs No More

WESTEEL

Conductor Pipe Fittings

All WESTEEL Conductor Pipe Fittings are made from highest quality galvanized material. They are made to fit, thus assuring ease and speed in erection.

ELBOWS

Dia.	Ship. Wt. per doz.
2 in.	6 lbs.
3 in.	8 lbs.
4 in.	12 lbs.
5 in.	13 lbs.
6 in.	16 lbs.

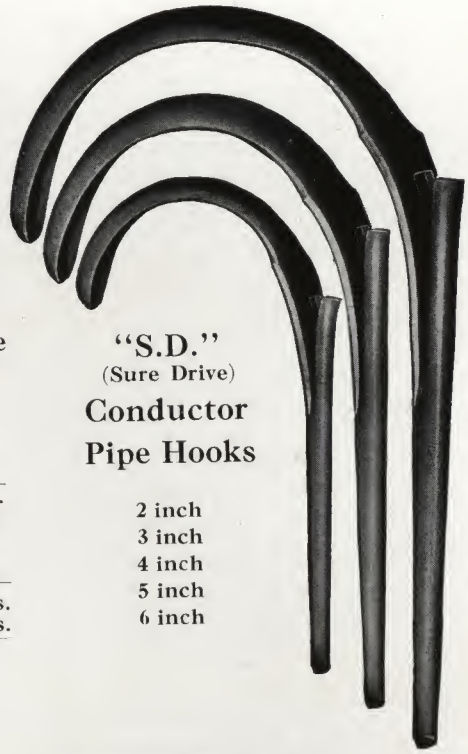
Elbows Shoes

SHOES

Dia.	Ship. Wt. per doz.
2 in.	8 lbs.
3 in.	9 lbs.
4 in.	13 lbs.
5 in.	14 lbs.
6 in.	18 lbs.

For Plain and Corrugated Round Pipe

Made 45, 75 and 90 degrees. Unless otherwise specified 75 degree Elbows will be sent. Shoes are made 75 degrees only.



"S.D." (Sure Drive) Conductor Pipe Hooks

2 inch
3 inch
4 inch
5 inch
6 inch

Corrugated Rectangular Elbows and Shoes

ELBOWS

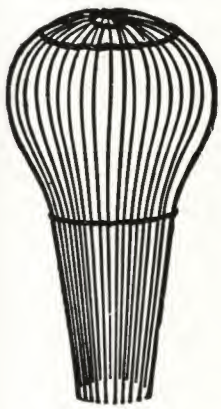
Size	Ship. Wt. per doz.
2¾x4¼	11 lbs.
3¾x5	14 lbs.

Elbow

Shoe

SHOES

Size	Ship. Wt. per doz.
2¾x4¼	12 lbs.
3¾x5	15 lbs.



Wire Strainers

Used with Pipe Diameter
3 inch
4 inch
5 inch
6 inch

Y's
Corrugated or Plain

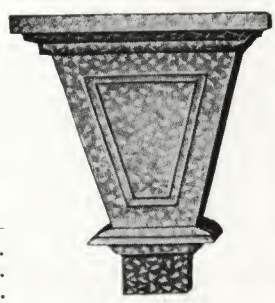
Size	Ship. Wt. each
2 in.	1¼ lbs.
3 in.	1¾ lbs.
4 in.	2¼ lbs.
5 in.	3 lbs.
6 in.	4 lbs.

Tees
Corrugated or Plain

Size	Ship. Wt. each
2 in.	1¼ lbs.
3 in.	1¾ lbs.
4 in.	2¼ lbs.
5 in.	3 lbs.
6 in.	4 lbs.

Cut Offs
Corrugated or Plain

Size	Ship. Wt. each
2 in.	1¼ lbs.
3 in.	1¾ lbs.
4 in.	2¼ lbs.
5 in.	3 lbs.
6 in.	4 lbs.



No. 3633
Conductor Head
Formed to suit any size or style of Conductor Pipe.

Funnels

Size	Ship. Wt. each
2 in.	1¾ lbs.
3 in.	2¼ lbs.
4 in.	3 lbs.
5 in.	4 lbs.
6 in.	5½ lbs.

Ceiling Cones

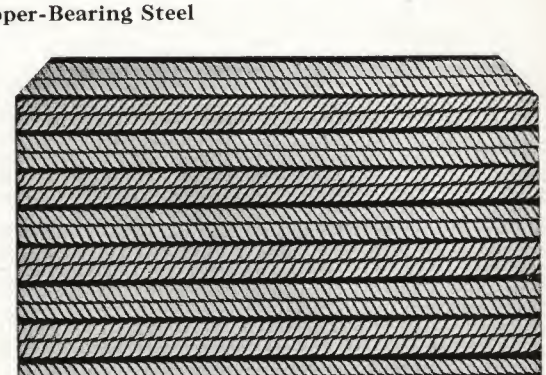
Diam. of Pipe
2 inch
3 inch
4 inch

WESTEEL

Doublemesh Metal Lath

Made from Galvanized and Painted Copper-Bearing Steel

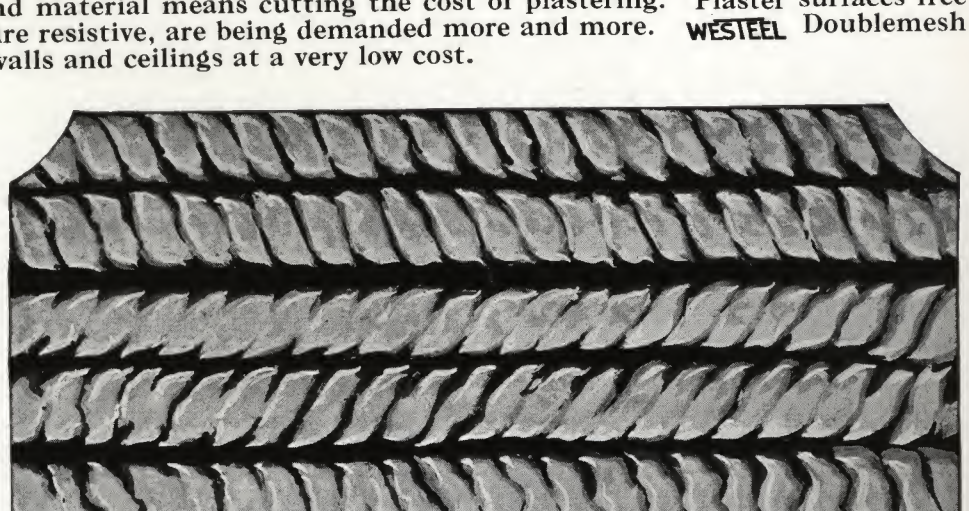
The strength and rigidity of Doublemesh Metal Lath allows studding to be spaced at 24″ centres instead of 16″ centres. The copper alloy affords great resistance to rust and corrosion. Unequalled for all classes of plaster work—ceilings, walls, stucco, etc.



The Smaller Mesh Saves Labor and Plaster

It means smaller holes to fill with plaster—less waste from plaster falling behind lath—less plaster for the scratch coat, and more of the plaster surface actually backed up by a "key." This combined saving of time and material means cutting the cost of plastering. Plaster surfaces free from cracks, stainless and fire resistive, are being demanded more and more. WESTEEL Doublemesh Metal Lath produces such walls and ceilings at a very low cost.

100 % Key Surface Full Reinforcement for Plaster



Note the perfect key formed by WESTEEL Doublemesh Lath. The plaster curls around each strand and the reinforcing ribs support the plaster and prevent it dropping behind the lath to be wasted. Plaster cannot crack with a key like this.

Size of Sheets	24″x96″
Sheets per Bundle	9
Sq. Yds. per Bundle	16

Weight per Sq. Yd.	
Painted	2.7 lb.—3.25 lb.
Galvanized	3.0 lb.

One pound of staples will apply 15 square yards of lath.

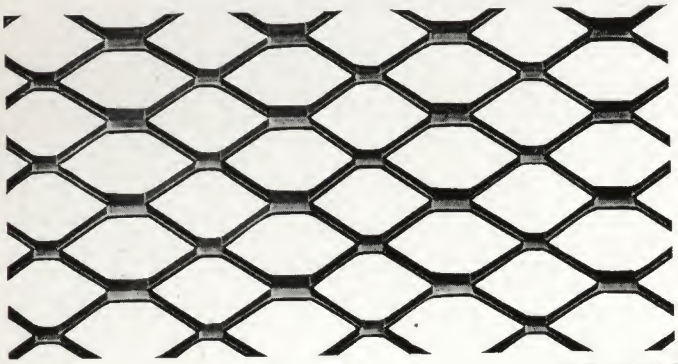
When ordering Metal Lath, always mention weight, or gauge, and whether painted or galvanized.

WESTERN STEEL PRODUCTS LIMITED

WESTEEL

"Key" Lath (Diamond Mesh)

(Made from Copper-Bearing Steel)



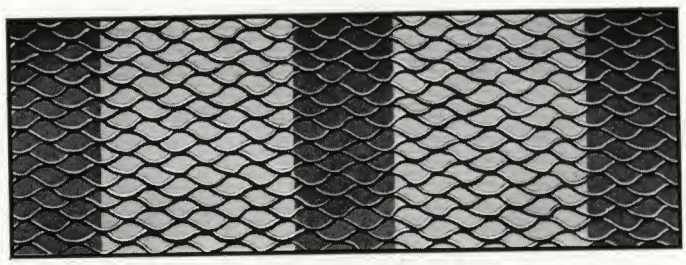
The "Key" type of Expanded Metal Lath has a neat small mesh, the narrow strands of which furnish a splendid bonding surface, by allowing the mortar to completely imbed the lath on both sides, the clinch bonding on the back.

We supply "Key" Lath in sheets 24 inches wide, this size being very popular, on account of the rapidity with which it can be laid.

SPECIFICATIONS

Size of Sheets	Weight per sq. yd.	Gauge	Size of mesh	Sheets per Bundle	Sq. Yds. per Bundle
24 x 96	2.3 lbs.	26	⅜ x ½ inches	9	16
24 x 96	3.0 lbs.	24	⅜ x ½ inches	9	16

When ordering Metal Lath, always mention weight or gauge and whether painted or galvanized.



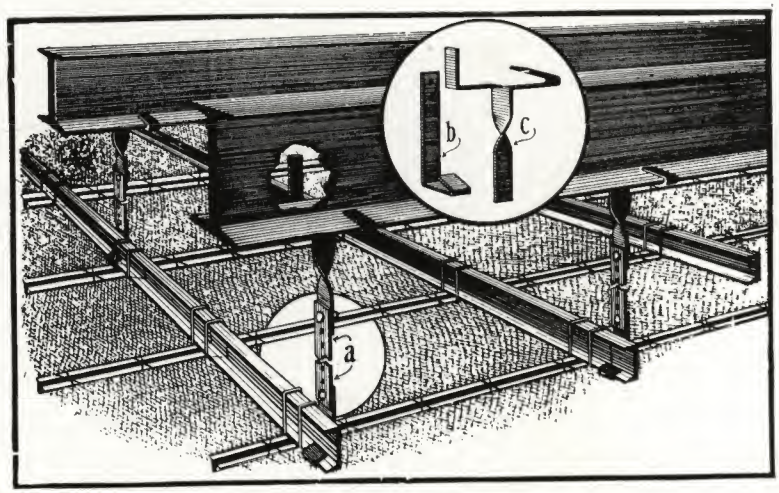
The illustration above shows how the lath should be nailed to the studs or joists. The length of the strand runs horizontally across the studs. When facing the wall, with the lath properly attached, the dip of the strands is inward and downward—this having the effect of throwing the surplus mortar on the far side of the wall instead of toward the workman. The lath is purposely designed this way to insure the best clinch.

The lath is applied with staples one inch long, made of No. 14 Gauge coppered steel wire, driven 4 or 5 inches apart on the stud or joist. Where the lath is intended to be applied directly to a steel superstructure, No. 18 gauge annealed wire is recommended for tying.

One pound of staples will apply 15 square yards of lath.

Suspended Ceilings

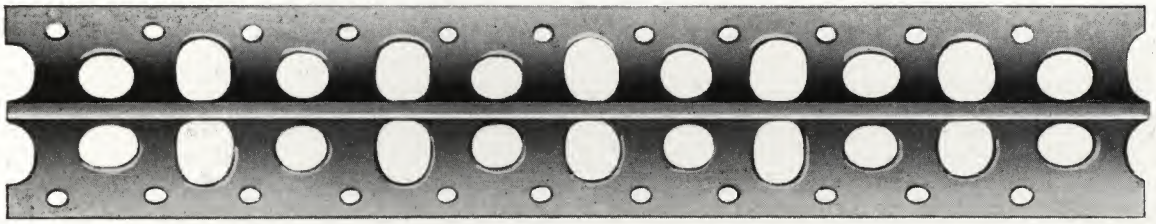
By the use of Suspended Ceiling Hangers, any space can be left desired between the "I" Beams and the plaster, which is applied on metal lath attached to Channel Irons.



WESTEEL

Plasterers' Corner Bead

Adds Value to any Building in which it is Erected



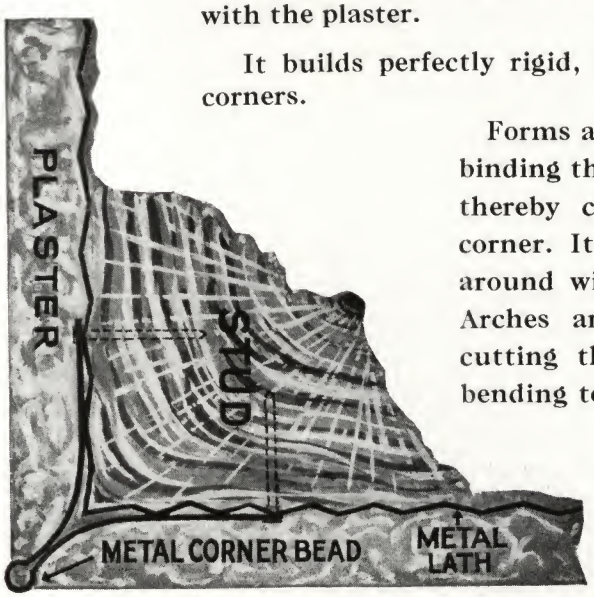
Saves the expense of wood trim and is Fire Proof and Sanitary.

Its efficiency as a builder and protector of all plastered corners and angles recommends its use to architects, contractors, and builders.

WESTEEL Plasterers' Corner Bead is made of the highest quality hot galvanized Copper-Bearing Steel, which effectively resists rust and corrosion or chemical reaction with the plaster.

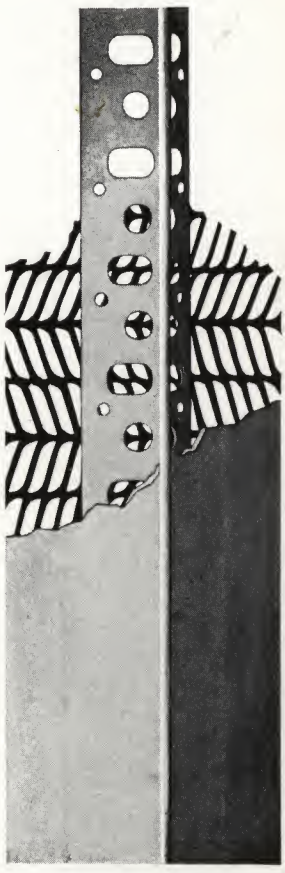
It builds perfectly rigid, straight and indestructible corners.

Forms an absolute key, locking and binding the plaster and steel together, thereby constructing an everlasting corner. It makes an effective finish for around windows. Ovals, Circles and Arches are easily fitted by simply cutting through the side holes and bending to fit any desired form.



WESTEEL Plasterers' Corner Bead erected on Metal Lath. No clips or fasteners are necessary, as bead is nailed direct to studding.

Illustration at right shows WESTEEL Plasterers' Corner Bead on metal lath.



Made in 6, 7, 8, 9, 10 foot lengths. Crated 1000 feet in a crate.
Weight about 20 lbs. per 100 lineal feet.

Angles

"Key" Lath formed into Angles for use at inside corners. Made in 6-inch, 8-inch, 10-inch girths, broken in centre.

WESTERN STEEL PRODUCTS LIMITED

WESTEEL

Regarding Ceiling and Wall Material

Through sheer force of intrinsic merit, WESTEEL Ceiling and Wall covering has won its way to the height of popular favor. It stands to-day in an eminent position, universally recognized as a form of finish possessing many important advantages over all other materials for similar purposes.

The features responsible for its success are simple and self-evident. Absolute permanence, ease of application, beauty of design, fire protection, sanitary qualities, scope for decoration, adaptability to all classes of buildings, —these are some of its outstanding characteristics. Add to these the fact that the cost is very moderate, and it will readily be seen why it has found such favor with far-seeing, discriminating people.

For the home-owner, WESTEEL Ceilings and Walls offer a wide range of patterns, from which choice may be made for every room in the house. The plainer patterns are ideal for Kitchens and Bath-rooms where the housewife delights in having them always bright, sweet and clean. Other patterns create beautifully artistic effects for Dining-rooms, Parlors, etc., where they can be painted to accord with any scheme of decoration.

Our designs are architecturally correct, and therefore symmetrical and harmonious in every line. Our raw material is the finest of smooth steel sheets, specially annealed and finished to our own specifications.

Our dies are steel with *machine-cut beads*. On the formation and accuracy of the beads (the embossed ribs on the edges) depends the fit at the joints, and *our special feature of machine-cutting these beads ensures absolute accuracy and snug fitting*. A staff of machinists keep all dies, etc., up to the highest standard of efficiency.

WESTEEL Ceiling and Wall Material appeals strongly to the merchant or store owner for several reasons. It eliminates the constant nuisance of fine particles of plaster-dust settling on his goods. It reflects, and thereby increases the light, and imparts a general air of neatness and cleanliness. It requires no repairs, and when re-decorating is desired, it can be quickly re-painted without interruption to business.

For Schools, Hotels, Institutions, Public Buildings, etc., WESTEEL Ceiling and Wall Covering is admirably adapted on account of its permanence, fire protection, and sanitary qualities, also because it is not affected by vibration of the floors above. Patterns can be found in this Catalogue to harmonize with any style of architecture, while there is no limit to the scope for artistic treatment at the hands of the painter or decorator.

WESTEEL Ceilings and Walls never check, crack, nor drop off; never warp, twist, nor open at the joints. Absolutely permanent, cannot burn, highly sanitary, and either plain or ornamental, according to patterns chosen.

Each piece of Ceiling or Wall material is subjected to an enormous, but even, pressure, ensuring clear, sharp embossing of every detail of the pattern and also the joint beads.

Finally, all our Plates, Mouldings, and Cornices are *re-squared after stamping*. Every piece is absolutely square on all edges, and will line up straight and true with perfect ease.

We never have, and never will, turn out inferior goods of any kind, and therefore in buying our products, customers are absolutely sure of getting the best that money, brains, and care can turn out.

WESTEEL

Ceiling and Wall Material

Orders and Enquiries

Customers will aid us in giving good service if they will kindly observe the following requests when ordering, or enquiring for prices, on jobs where we are expected to figure out the quantities of material.

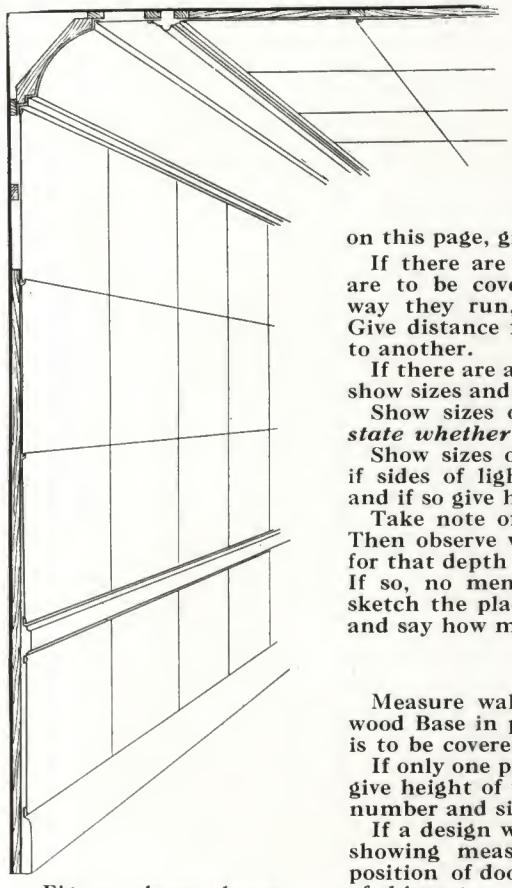


Figure above shows correct method of applying.

Ceilings

Say what is on the ceiling at present, that is, whether wood sheeting, lath and plaster, or bare joists.

For plain square or oblong ceilings, simply state sizes. For ceilings where there are breaks, openings or offsets of any kind, draw a rough sketch as examples on this page, giving measurements for each space or stretch.

If there are any beams in the ceiling, say if same are to be covered with metal or not. Show which way they run, and give width and depth of same. Give distance from wall to beam and from one beam to another.

If there are any chimneys, piers or other projections, show sizes and where situated.

Show sizes of stair-wells and where situated, ***also state whether open or closed in.***

Show sizes of light-wells and where situated. Say if sides of light-wells are to be covered with metal, and if so give height of same.

Take note of the ***depth*** of the Cornice to be used. Then observe whether or not there is sufficient space for that depth of Cornice above all windows and doors. If so, no mention need be made. If not, show on sketch the places where there is not sufficient depth, and say how much depth there is at these places.

Walls

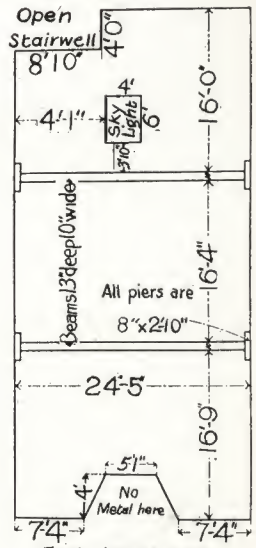
Measure walls from floor to ceiling. If there is a wood Base in place, give height of same, and say if it is to be covered with metal or not.

If only one pattern of wall plate is being used, simply give height of wall, distance around the room and the number and size of openings (doors, windows, etc.).

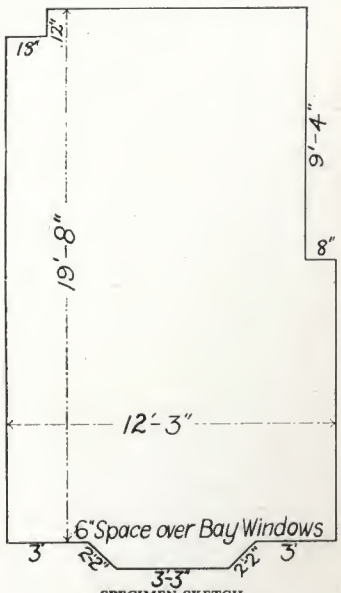
If a design with a Dado is being used, send a sketch showing measurements and also showing size and position of doors, windows, etc., as example at bottom of this page.

The Cornice is considered as a part of the ceiling, not of the wall.

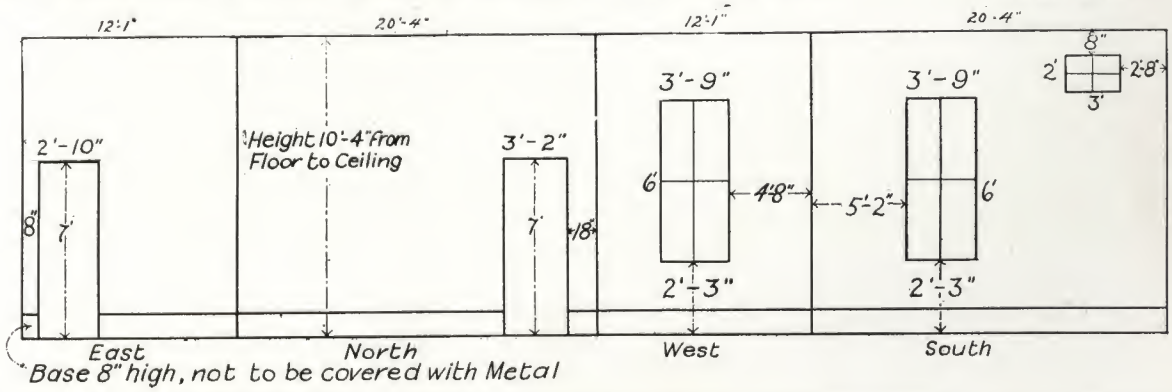
Joints of ceiling plates should be made AWAY from the light. Joints of wall plates 5 feet or more from the floor should be made toward the ceiling. Below 5 feet they should be made toward the floor. In this way all joints are AWAY from the eye.



SPECIMEN SKETCH



SPECIMEN SKETCH

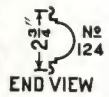


WESTEEL

Ceiling and Wall Material

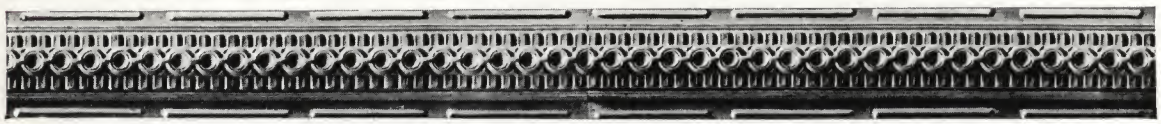
Mouldings

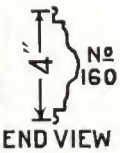
MOULDING No. 120—Width 2¼ inches, Projection ¾ inch, Covering length 48 inches. Stamped Ells No. 121.
Wood Brackets not needed.



MOULDING No. 124—Width 2¾ inches, Projection 1 inch, Covering length 48 inches. Stamped Ells No. 125.
Wood Brackets not needed.

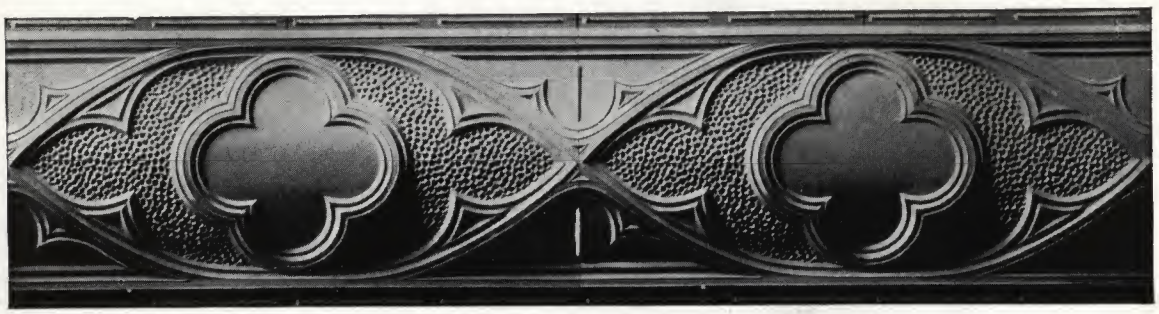
MOULDING No. 154—Width 3¾ inches, Projection 1½ ins., Covering length 48 inches. Stamped Ells No. 155.
Wood Brackets not needed. Pattern is 4 inches long (centre to centre)

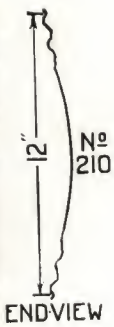




MOULDING No. 160—Width 4 inches, projection ⅞ inch, Covering length 48 inches. Stamped Ells No. 161.
Wood Brackets not needed. Rings forming central pattern are (about) 1 inch centre to centre.

MOULDING No. 190—Width 6 inches, Projection 1½ inches, Covering length 48 inches. Wood brackets advisable under joints. Pattern repeats on 12-inch centres. We furnish Stamped Ells, Tees, and Crosses.
Wood Brackets advisable under joints. Pattern repeats on 12-inch centres. We furnish Stamped Ells (No. 191), Tees (No. 192), and Crosses (No. 193).





MOULDING No. 210—Width 12 inches, Projection 1 inch, Covering length 48 inches. Wood Brackets advisable under joints. Pattern repeats on 24-inch centres. We furnish Stamped Ells, Tees, Crosses, and Spacers.
Wood Brackets advisable under joints. Pattern repeats on 24-inch centres. We furnish Stamped Ells (No. 211), Tees (No. 212), Crosses, (No.213), and Spacers (No. 214).

WESTEEL

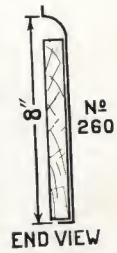
Ceiling and Wall Material

Special Trimmings

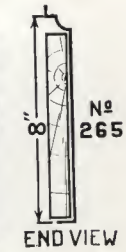
CHAIR or DADO RAIL No. 250—Width 3½ inches, Projection ¾ inch, Covering length 48 inches.
Pattern repeats on 2-inch centres.

FINISHING END No. 251—(Left)
For Moulding No. 250. 12 inches long.

FINISHING END No. 252—(Right)
For Moulding No. 250. 12 inches long.



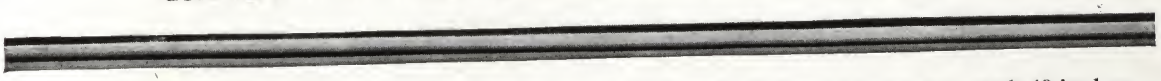
BASE No. 260—8 inches high, 1 inch Projection, Covering length 48 inches.



BASE No. 265—8 inches High, 1 inch Projection, Covering length 48 inches.

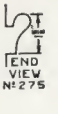
NOTE RE BASES—Illustrations as above are only suggestions.—bases can be made in any reasonable size or design. Mitres will be cut on ends of lengths IF SO ORDERED, but this is usually done on the job. Material is crimped black steel, painted white. Crimping will be omitted if so ordered. We do not supply wood backing.

CORNER TRIM No. 270—Inside. ½ inch on each Face, Covering length 48 inches.



CORNER TRIM No. 271—Outside. ½ inch on each Face, Covering Length 48 inches.

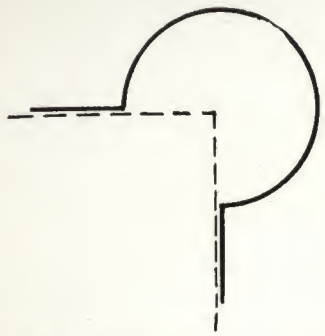
NOTE RE CORNER TRIMS.—For use with Metal Side Walls. Trim is applied FIRST and Wall Plates cut to fit against shoulder. Recommended for use when facilities for bending Wall Plates sharply are not at hand, or when walls or corners are not perfectly square. UNLESS SPECIALLY MENTIONED IN ORDER we use our discretion in shipping or omitting Corner Trim on Metal Wall jobs. Made from plain flat metal (not crimped).



PICTURE MOULDING No. 275—1⅝ inches wide, 1⅛ inch Projection, Covering length 48 inches.
INSIDE MITRES complete, 6 inches on each Face. OUTSIDE MITRES complete, 6 inches on each Face.

Ceiling and Wall Material

Angle Moulding and Beam Covering



Angle Moulding No. 278
Cut is full size. Covering length 48 inches.

Angle Mouldings are for use on Beam corners or edges of stair-wells, light-wells, or other breaks presenting an external angle.

No. 278 is carried in stock (in size shown).

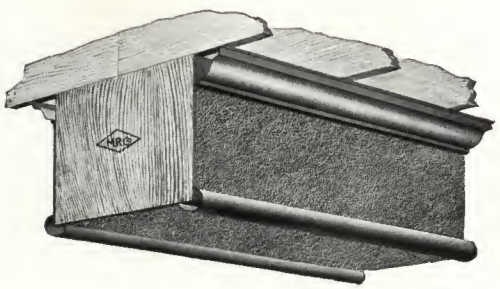
Angle Moulding and Beam Covering are shipped separate.

Beam Covering No. 295

Made any size or shape not exceeding 24 inches girth. Material is same as No. 825 Filler, page 69. In ordering state size of Beam, or give measurements to which covering is to be made.

Beam Covering No. 296

Composed of No. 278 Angle Moulding and No. 825 Filler. Suitable for any size of Beam. Parts are shipped separate. In ordering state size of Beam.



WESTEEL

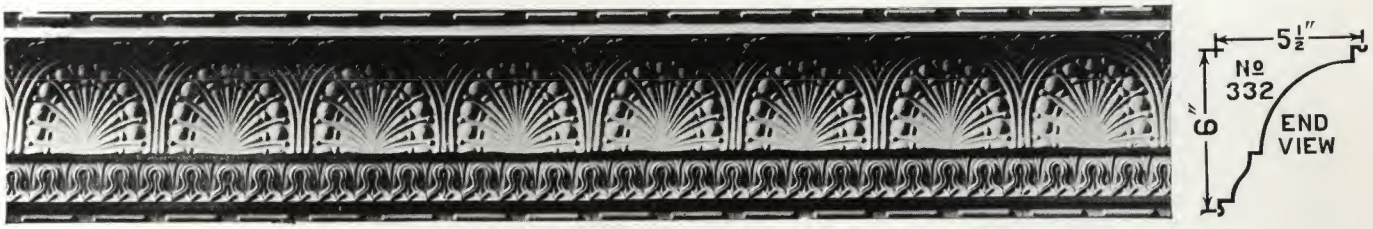
Ceiling and Wall Material

Cornices

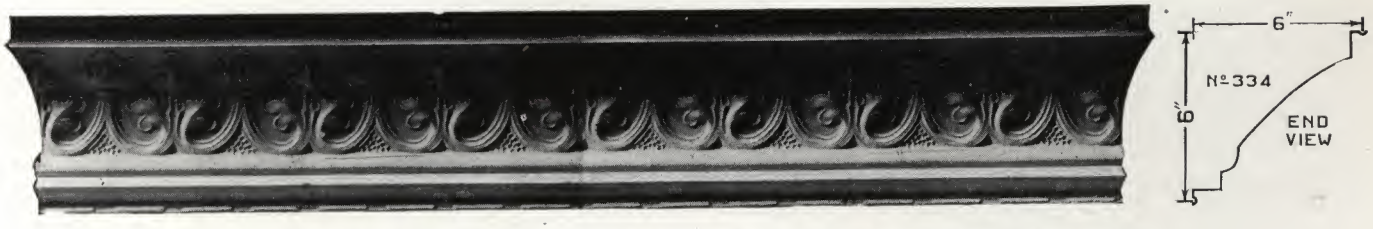
CORNICE No. 310—Depth 1½ inches, Projection 1¼ inches, Covering length 48 inches.
Mitres must be cut on job. Wood Brackets not needed.

CORNICE No. 315—Depth 2½ inches, Projection 2½ inches, Covering length 48 inches.
Stamped Inside Mitres. Stamped Outside Mitres.
Wood Brackets not needed. Pattern repeats on 4 inch centres.

CORNICE No. 318—Depth 3 inches, Projection 3½ inches, Covering length 48 inches.
Stamped Inside Mitres. Stamped Outside Mitres.
Wood Brackets not needed. Pattern repeats on 8 inch centres.



CORNICE No. 332—Depth 6 inches, Projection 5½ inches, Covering length 48 inches.
Stamped Inside Mitres. Stamped Outside Mitres.
Pattern repeats on 6 inch centres



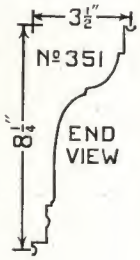
CORNICE No. 334—Depth 6 Inches, Projection 6 inches, Covering length 48 inches.
Stamped Inside Mitres. Stamped Outside Mitres.
Pattern repeats on 6 inch centres.

NOTE RE SIZES OF CORNICES.—The sizes shown for all above Cornices, except No. 310, are taken to the centre of the beads in the flanges. If the ceiling or wall material is laid lapping OVER the flanges, the exposed size of the Cornice would be about ⅜ inch less each way.

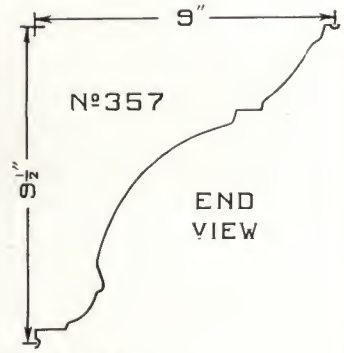
WESTEEL

Ceiling and Wall Material

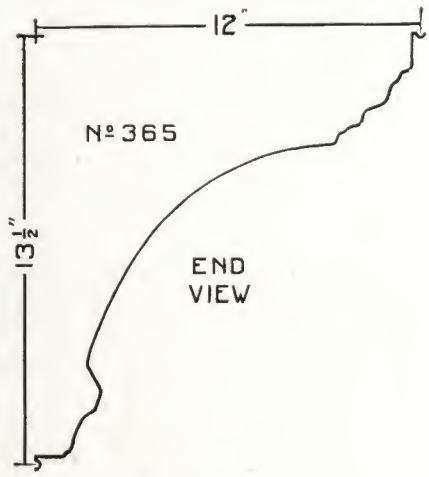
Cornices (Continued)



CORNICE No. 351—Depth 8¼ inches, Projection 3½ inches, Covering length 48 inches.
Stamped Inside Mitres. Stamped Outside Mitres.
Wood Brackets not needed. Pattern repeats on 3 inch centres.



CORNICE No. 357—Depth 9½ inches, Projection 9 inches, Covering length 48 inches.
Stamped Inside Mitres. Stamped Outside Mitres.
Wood Brackets advisable under joints. Panels in pattern are 6 inches, centre to centre.



CORNICE No. 365—Depth 13½ inches, Projection 12 inches, Covering length 48 inches.
Stamped Inside Mitres. Stamped Outside Mitres.
Wood Brackets STRONGLY advisable under joints. Panels in pattern are 12 inches centre to centre.

NOTE RE SIZES OF CORNICES.—The sizes shown for all above Cornices are taken to the centre of the beads in the flanges. If the ceiling or wall material is laid lapping OVER the flanges, the exposed size of the Cornice would be about ⅛ inch less, each way.

WESTEEL

Ceiling and Wall Material

Plates

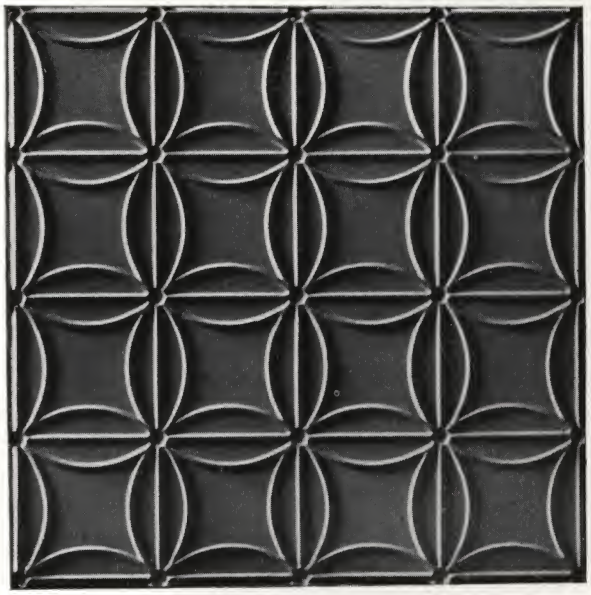


Plate No. 432

Size 24x24 inches. 25 sheets to a square.

Pattern is 6x6 inches.

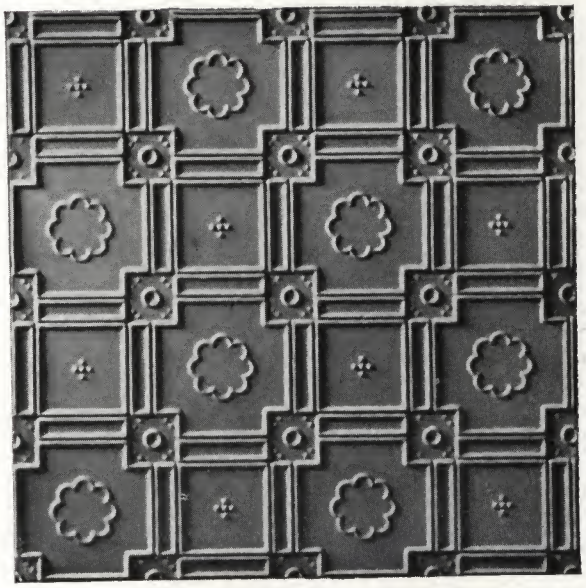
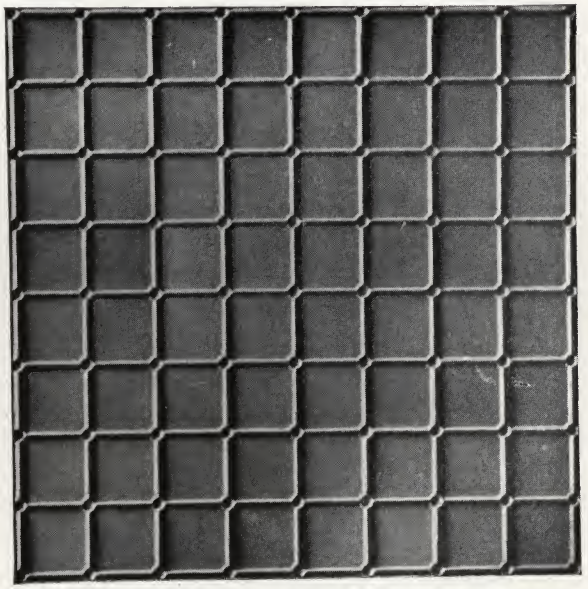


Plate No. 447

Size 24x24 inches. 25 sheets to a square.



24″x24″ Plate No. 438 25 sheets to a square.

24″x36″ Plate No. 466 16⅔ sheets to a square.

Ceiling and Wall Material

Plates (Continued)

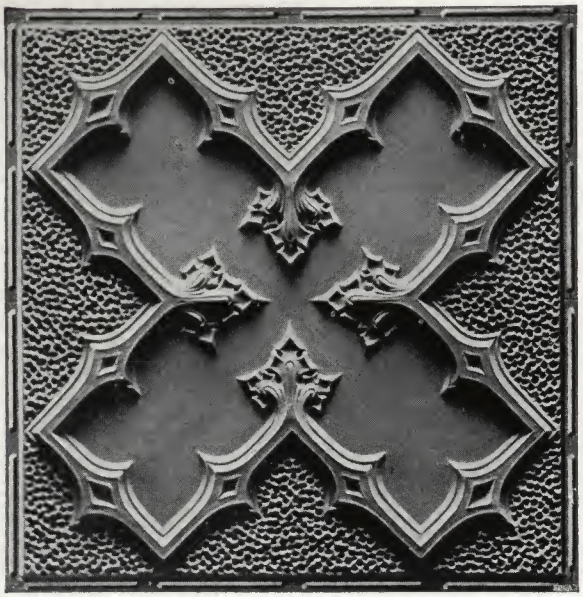


Plate No. 512

Size 24x24 inches. 25 sheets to a square.

Plate No. 523

Size 24x24 inches. 25 sheets to a square.

Plate No. 537

Size 24x24 inches. 25 sheets to a square.

Plate No. 538

Size 24x24 inches. 25 sheets to a square.

Pattern is 12x12 inches

WESTEEL

Ceiling and Wall Material

Plates (Continued)

Plate No. 544

Size 24x24 inches. 25 sheets to a square.

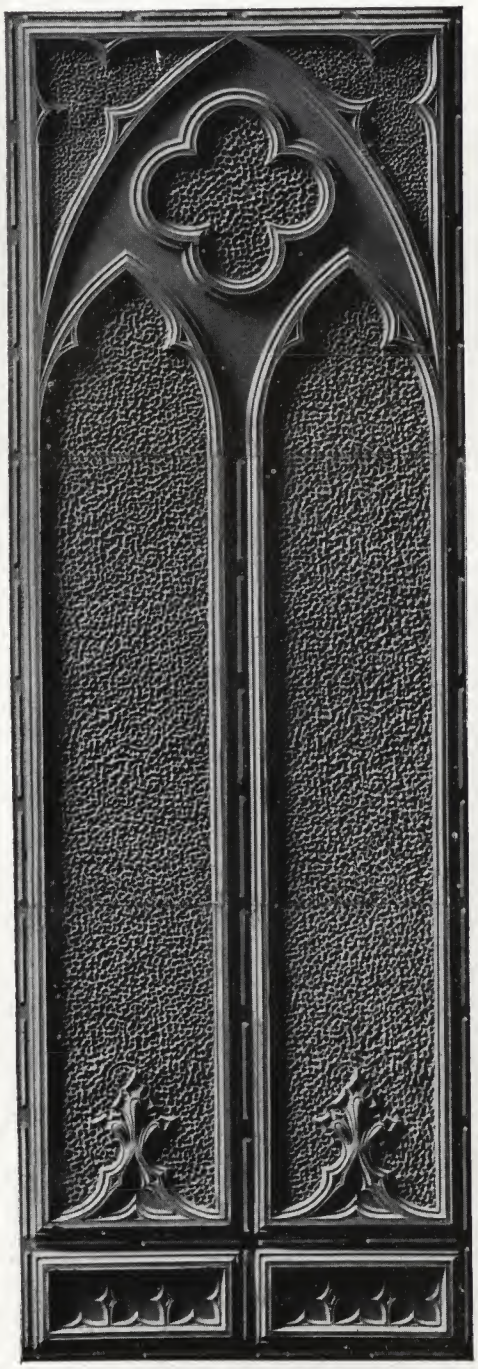
Plate No. 545

Size 24x24 inches. 25 sheets to a square.

Plate No. 621.

Plate No. 622.

Plate No. 623.



Design No. 624

Suitable for wall spaces 4 feet high or more.

Illustration shows panel 2 ft. x 6 ft. formed of plates No. 621, No. 622 and No. 623, assembled in combination.

WESTEEL

Ceiling and Wall Material

Plates (Continued)

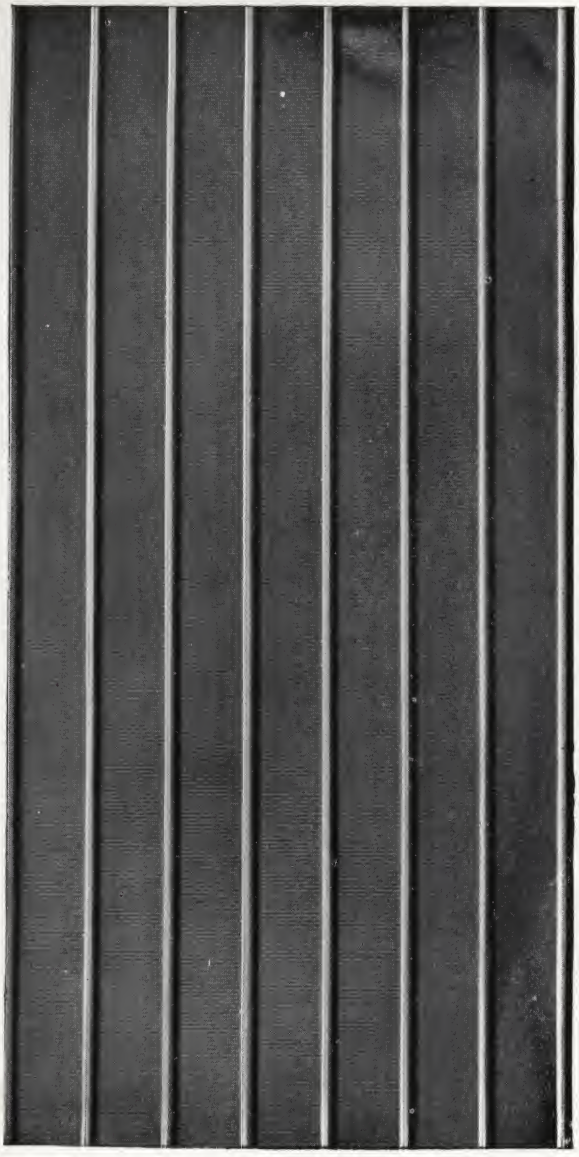


Plate No. 650

Size 96x27½ inches. 5½ sheets to a square

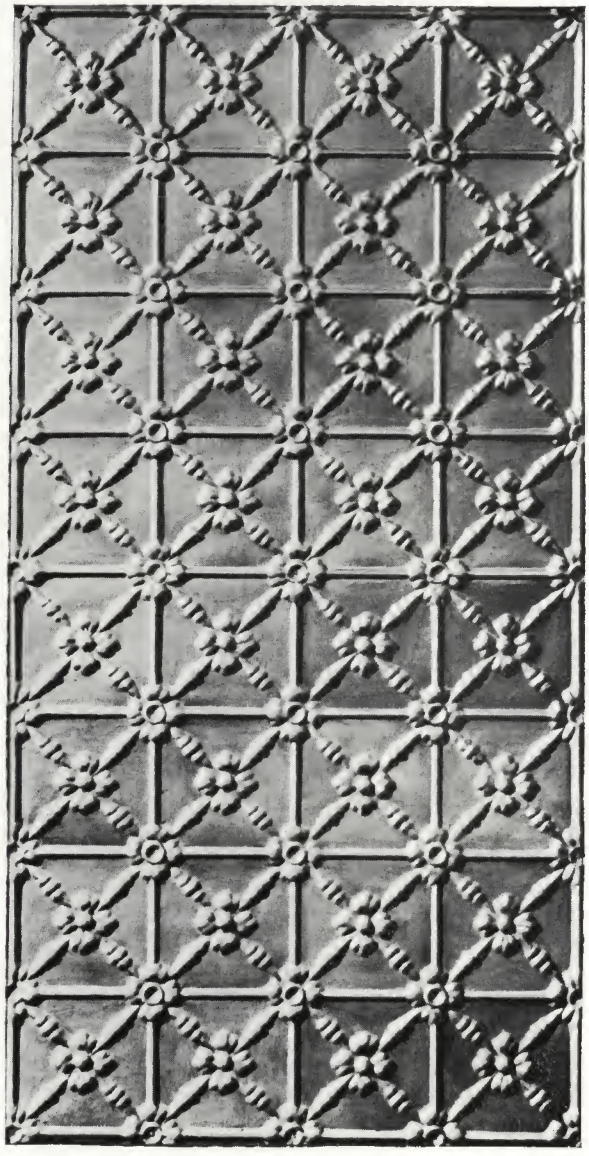


Plate No. 654

Sizes 24x48 inches. 12½ sheets to a square.
Pattern is 6x6 inches.

Re Plate No. 650. "Beaded Ceiling."

Size 96x27½ inches. 5½ sheets to a square. Sizes named are COVERING capacity, allowing for 1 inch lap at ends and 1 full bead at sides. Beads are (about) $3^{15}/_{16}$ inch centres. Sheets are lightly crimped before beading, greatly improving appearance. Ends and sides are accurately squared. Size shown above is standard stock size, which lays without waste on joists at 16 inch centres, allowing 1 inch end lap. Strong—Rigid—Neat—Quickly applied—Can be nailed direct to joists.

Ceiling and Wall Material

Plates (Continued)

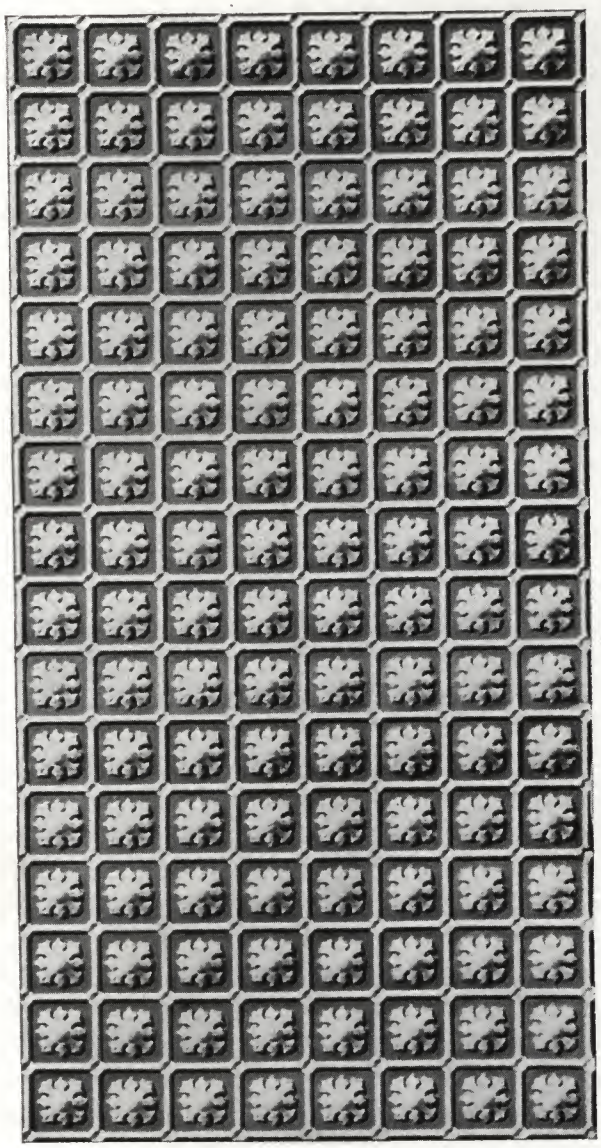


Plate No. 656

Size 24x48 inches. 12½ sheets to a square.
Pattern is 3x3 inches.

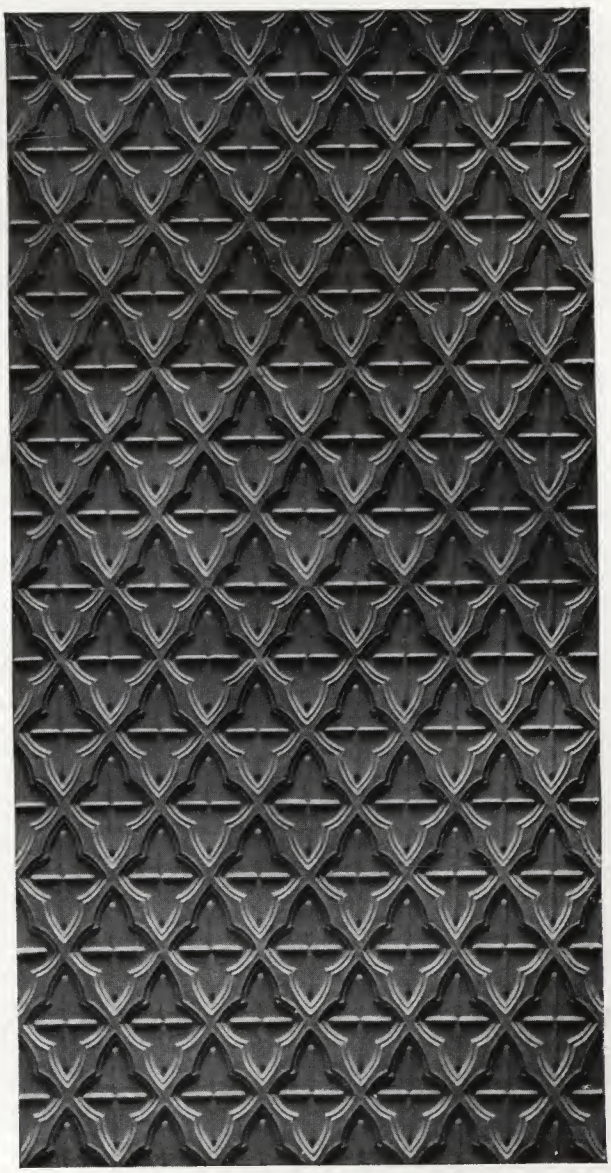


Plate No. 661

Size 24x48 inches. 12½ sheets to a square.
Pattern is 4x6 inches.

Ceiling and Wall Material

Centre-Pieces

CENTRE No. 754

Size 3x3 feet, 2¾ inches projection. Shipped complete or in 4 pieces (quarters).

Unless specially mentioned in order, we use our discretion as to shipping complete or in parts.

Mouldings as shown on page 58 may be used with Centre No. 754.

Choose width of moulding according to size of ceiling.

CENTRE No. 760

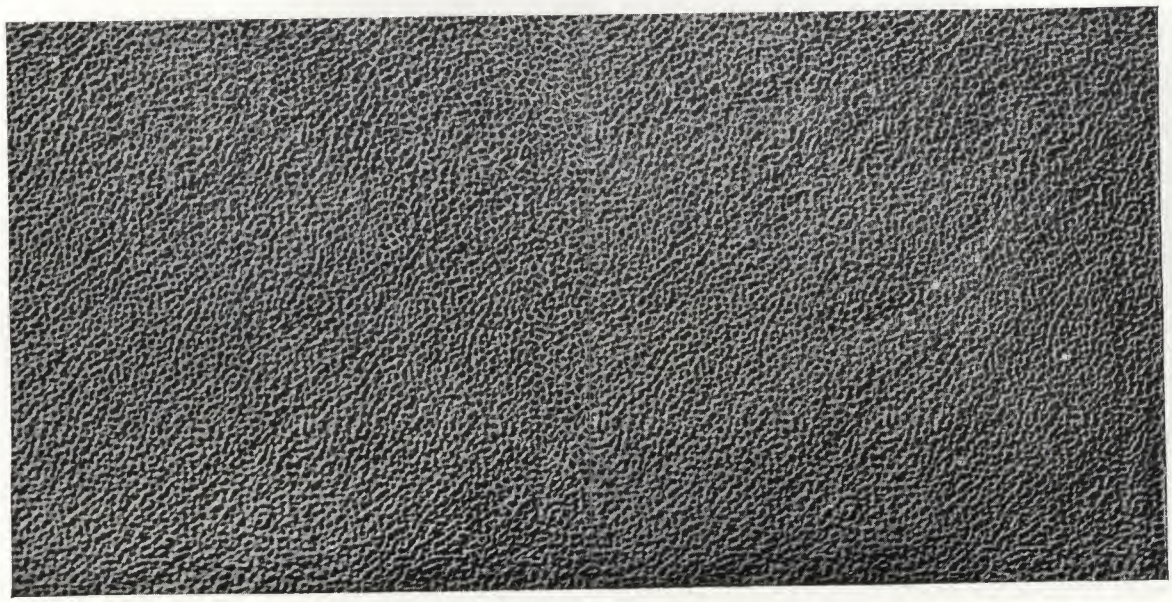
Size 2x2 feet. 2¼ inches projection.

Mouldings as shown on page 58 may be used with Centre No. 760. Choose width of moulding according to size of ceiling.

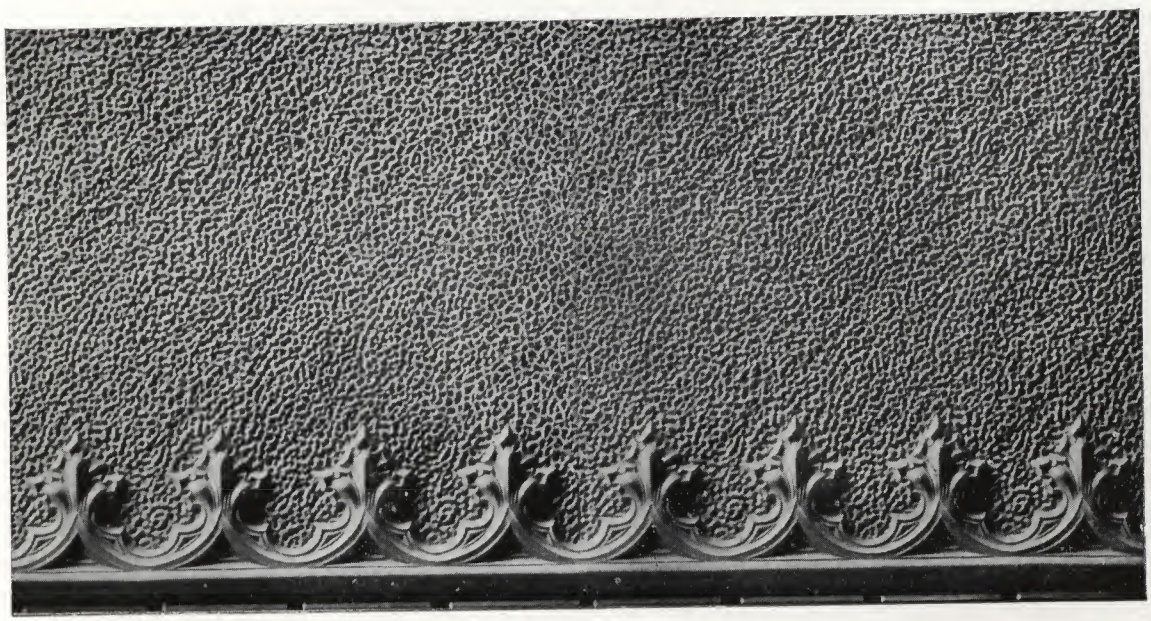
WESTEEL

Ceiling and Wall Material

Fillers and Friezes



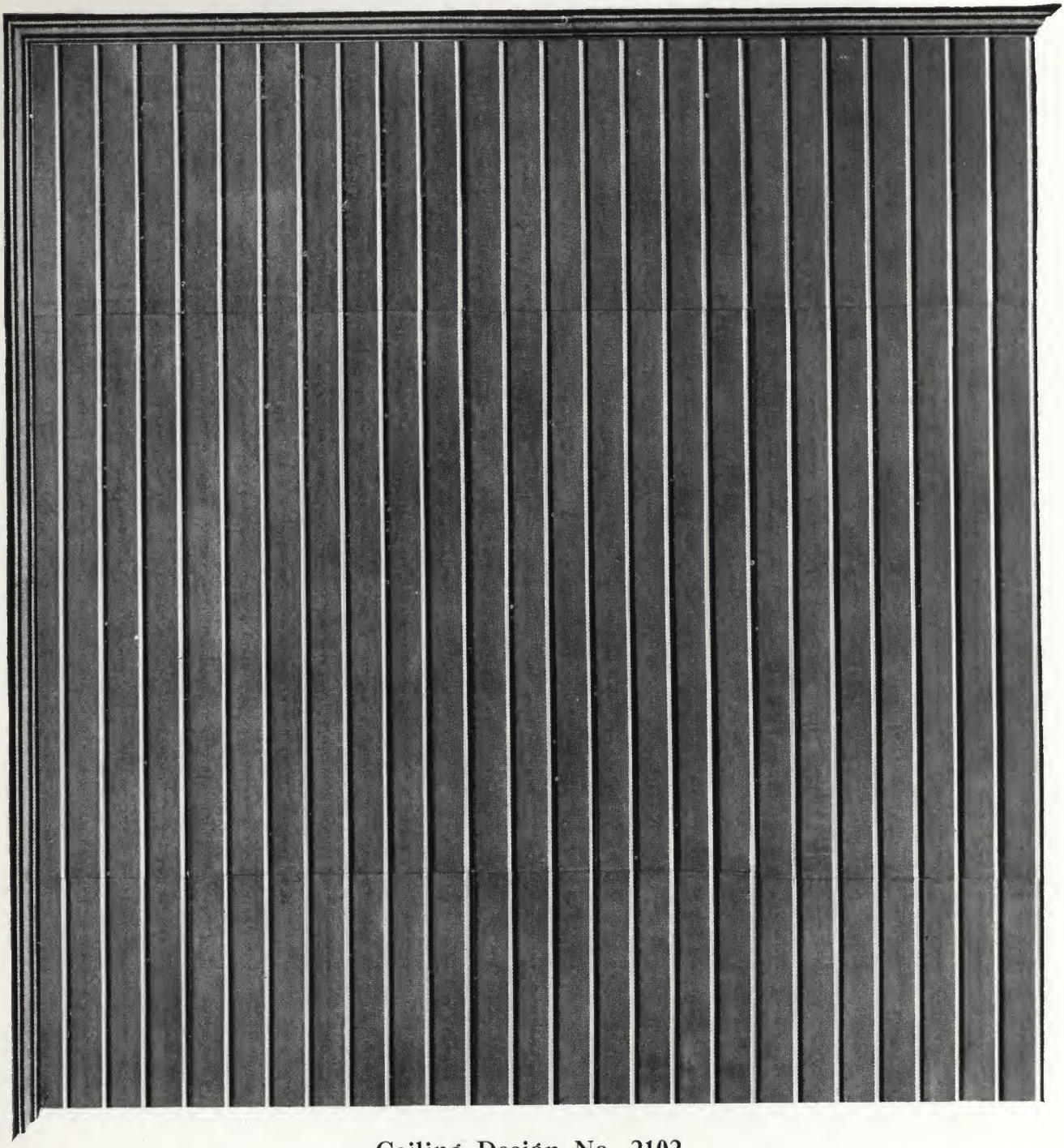
Filler No. 825 (Stipple)
Length 48 inches. Widths as below:
6, 8, 10, 12, 14, 16, 18, 20, 22, 24 inches.



Border, Filler or Frieze No. 834
For Ceiling Filler or Wall Frieze. Length 48 inches. Widths as below:
10, 12, 14, 16, 18, 20, 22, 24 inches.
Edge pattern is 7½ inches wide, 6 inch multiple.

WESTEEL

Ceiling and Wall Material



Ceiling Design No. 2102

Can be used on any size or shape of ceiling.

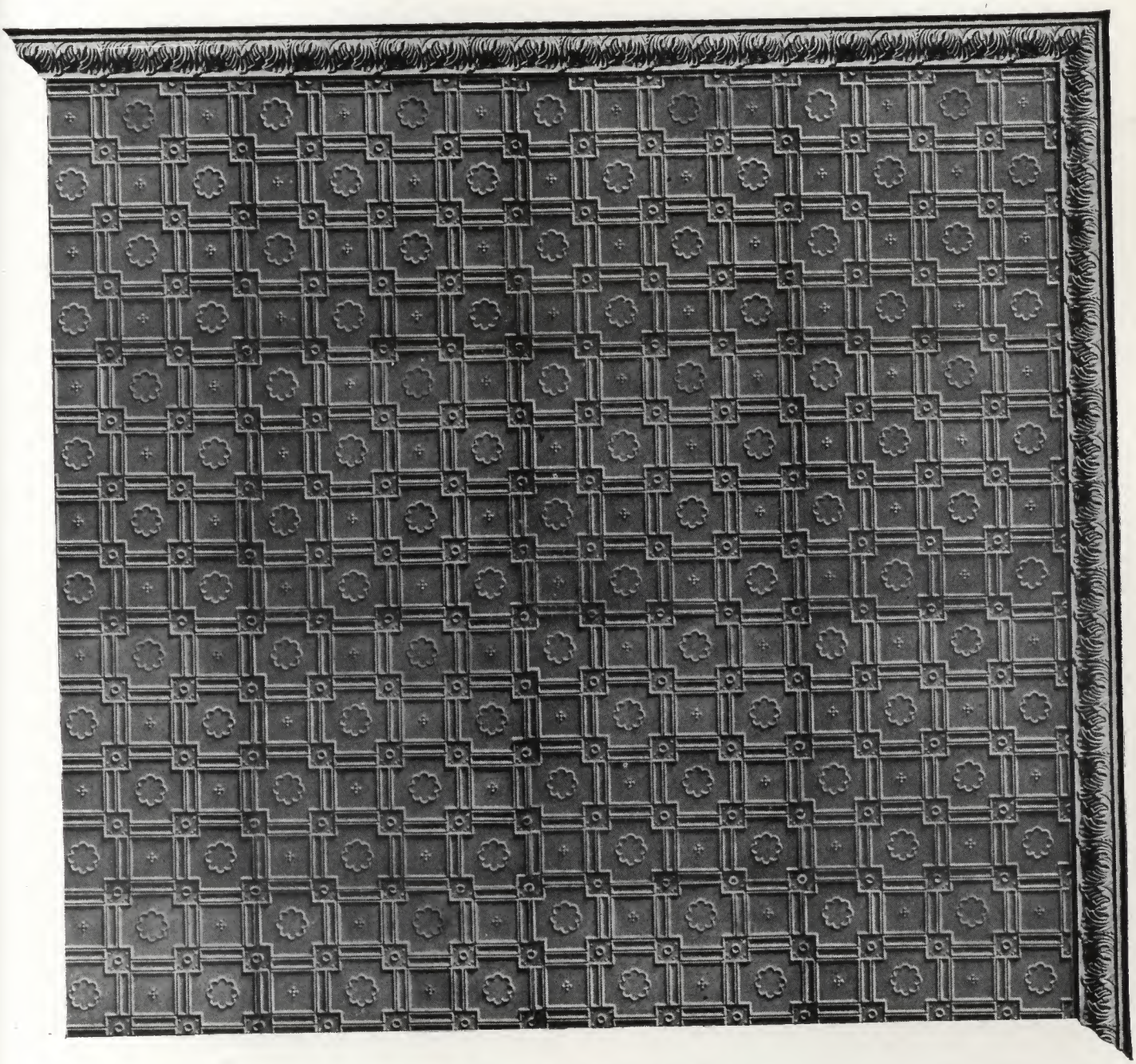
Composed of:

Plate No. 650 ..... Page 66
Cornice No. 310 ..... " 61
(Cornice is 1½ inches deep, 1¼ inch projection.)

"Beaded Ceiling,"—a neat, fireproof ceiling for warehouses, basements, etc. Applied to sheeting or to joists at 16 inch centres. Rigid, snug-jointed and quickly laid.

WESTEEL

Ceiling and Wall Material



Ceiling Design No. 2131

Can be used on any size or shape of ceiling.

Composed of:

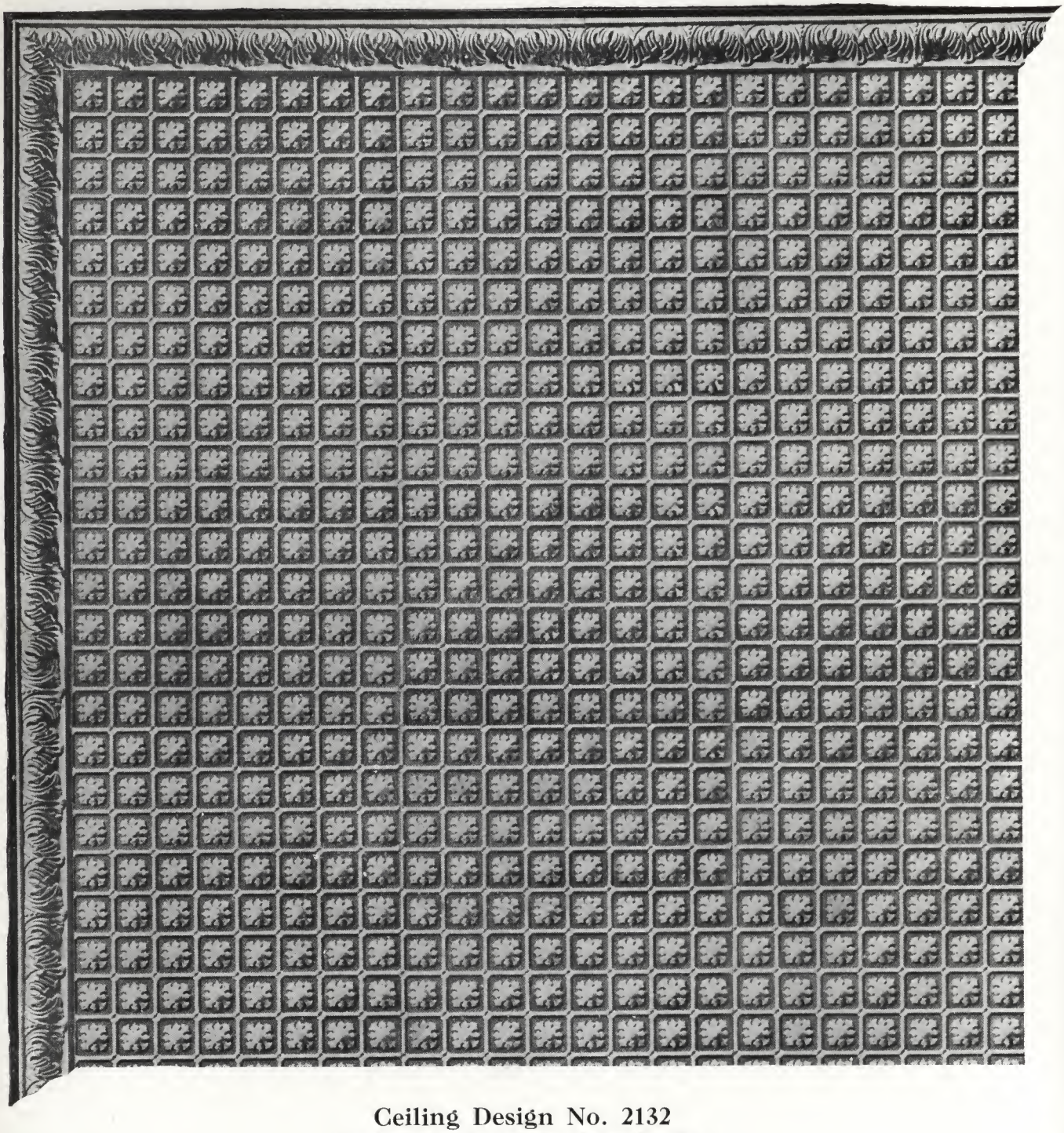
Plate No. 447 ..... Page 63
Cornice No. 318 ..... " 61

(Cornice is 3 inches deep, 3½ inch projection.)

A particularly neat and pleasing pattern, suitable for a great variety of work. A border may also be used if desired, or a different cornice substituted.

WESTEEL

Ceiling and Wall Material



Ceiling Design No. 2132

Can be used on any size or shape of ceiling.

Composed of:

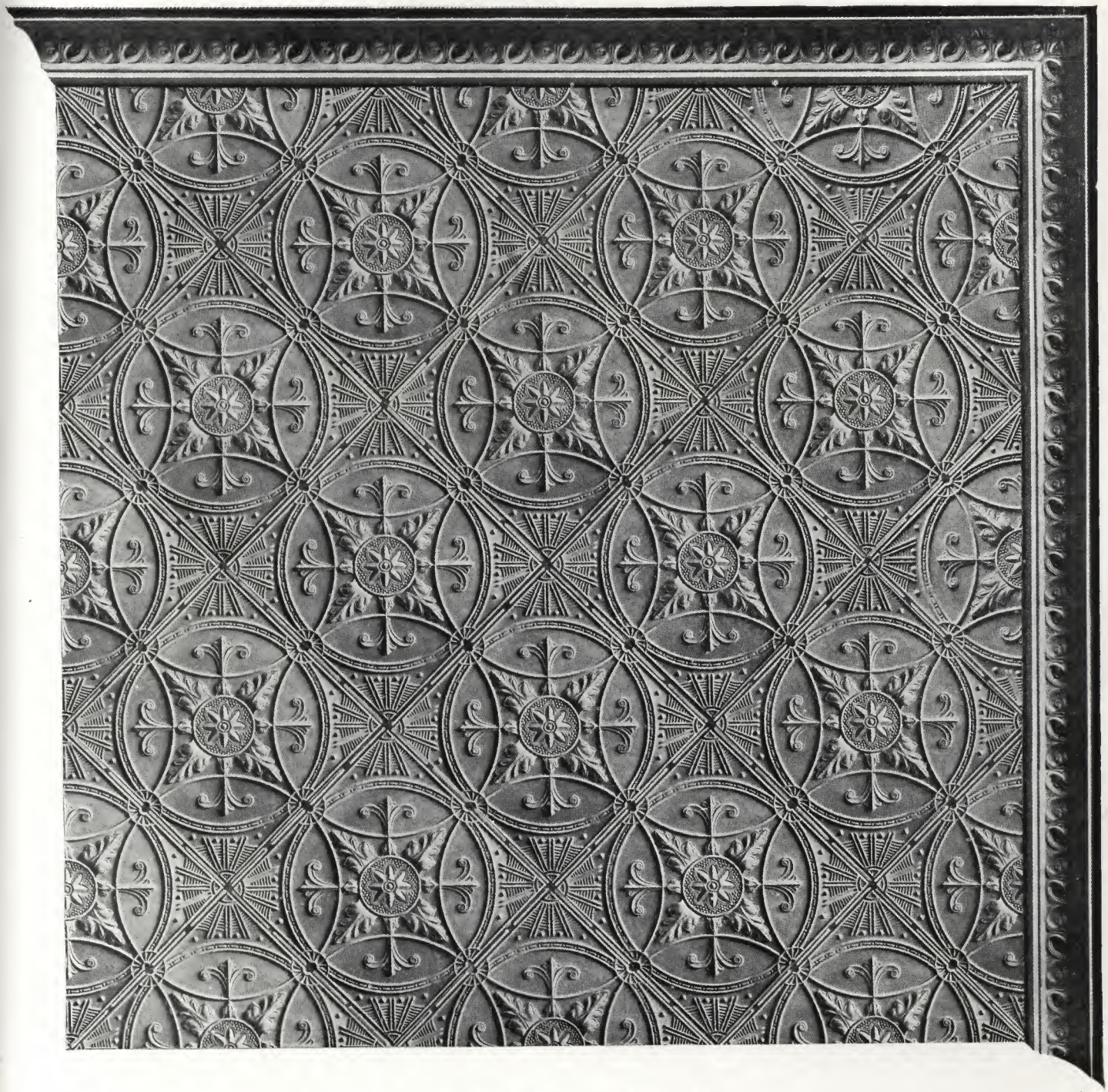
Plate No. 656 ..... Page 67
Cornice No. 318 ..... " 61

(Cornice is 3 inches deep, 3½ inch projection.)

Suitable for stores, kitchens, warehouses and other work at the discretion of the buyer. Pattern is small and neat, and works well on odd shaped spaces. Any desired cornice can be used instead of No. 318.

WESTEEL

Ceiling and Wall Material



Ceiling Design No. 2166

Can be used on any size or shape of ceiling.

Composed of:

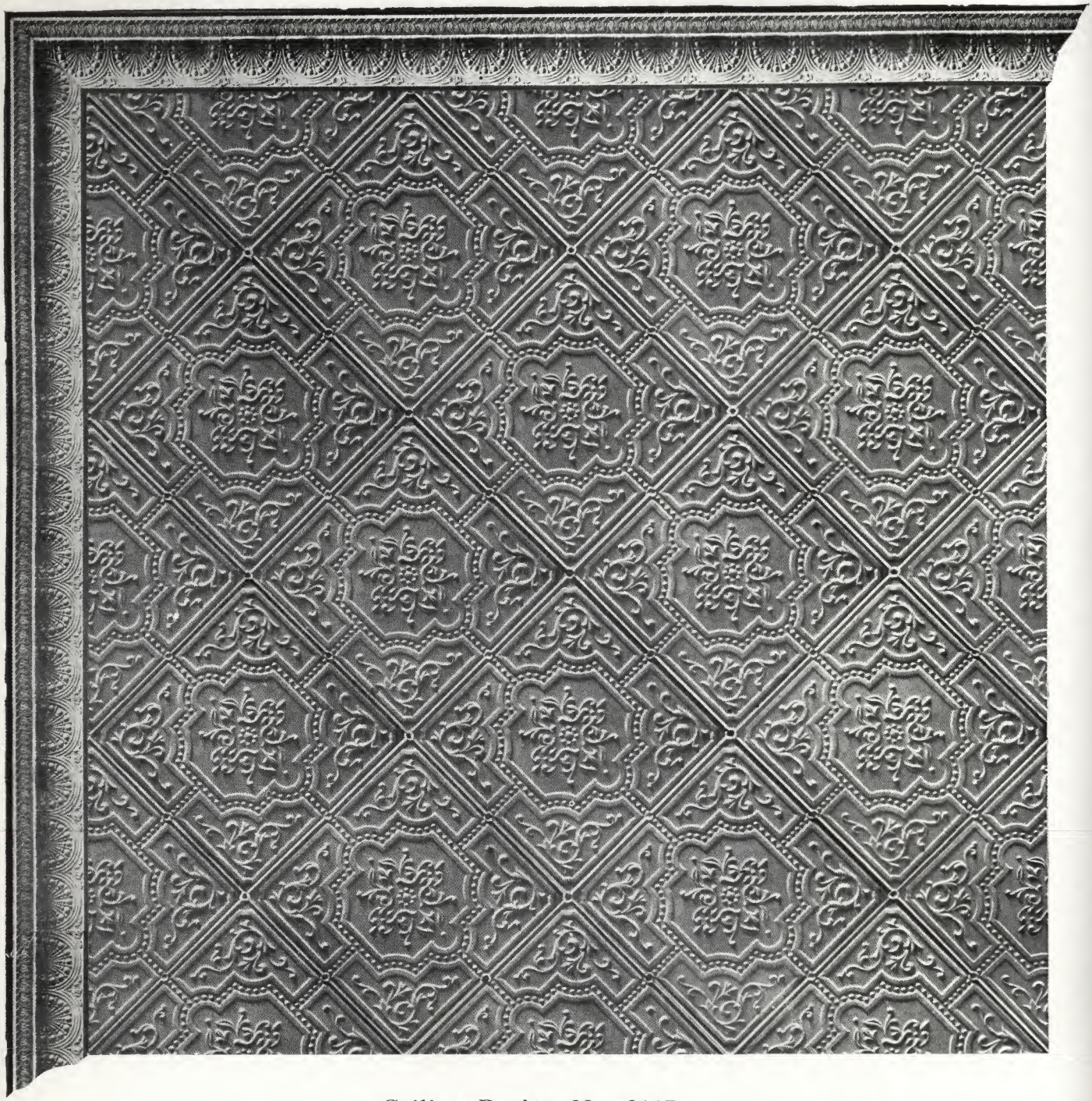
Plate No. 537 (laid diagonally) ..... Page 64
Cornice No. 334 ..... " 61

(Cornice is 6 inches deep, 6 inch projection.)

Adaptable to any room and makes a particularly pleasing effect. Works well around breaks or offsets of any kind. A larger or a smaller cornice could be substituted if desired.

WESTEEL

Ceiling and Wall Material



Ceiling Design No. 2167

Can be used on any size or shape of ceiling.

Composed of:

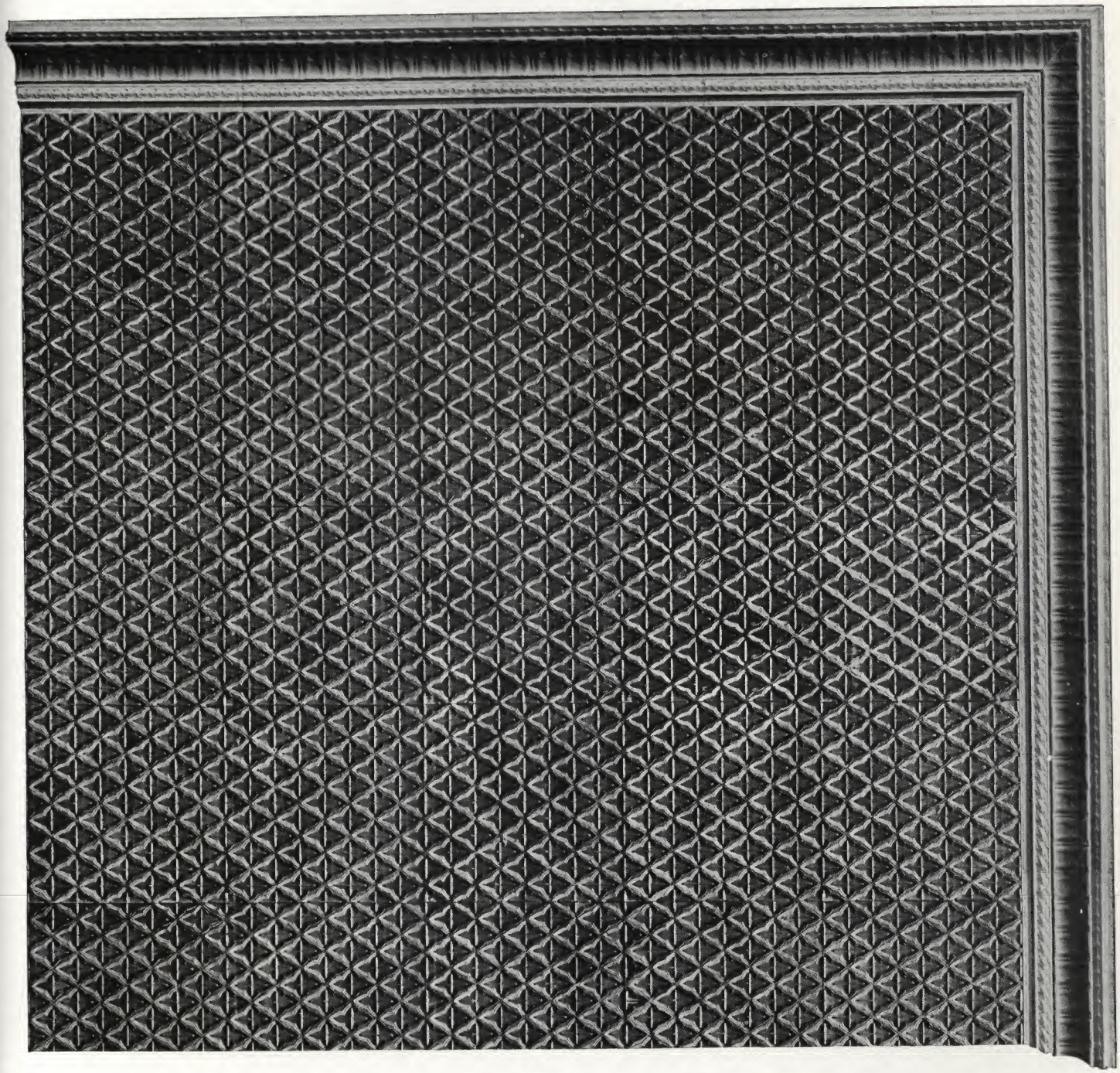
Plate No. 545 (laid diagonally) ..... Page 65
Cornice No. 332 ..... " 61

(Cornice is 6 inches deep, 5½ inch projection.)

A pleasing design, lightly but clearly embossed, and suitable for a great variety of rooms. Quite suitable for low ceilings. A different cornice may be used in place of the one shown.

WESTEEL

Ceiling and Wall Material



Ceiling Design No. 2186

Can be used on any size or shape of ceiling.

Composed of:

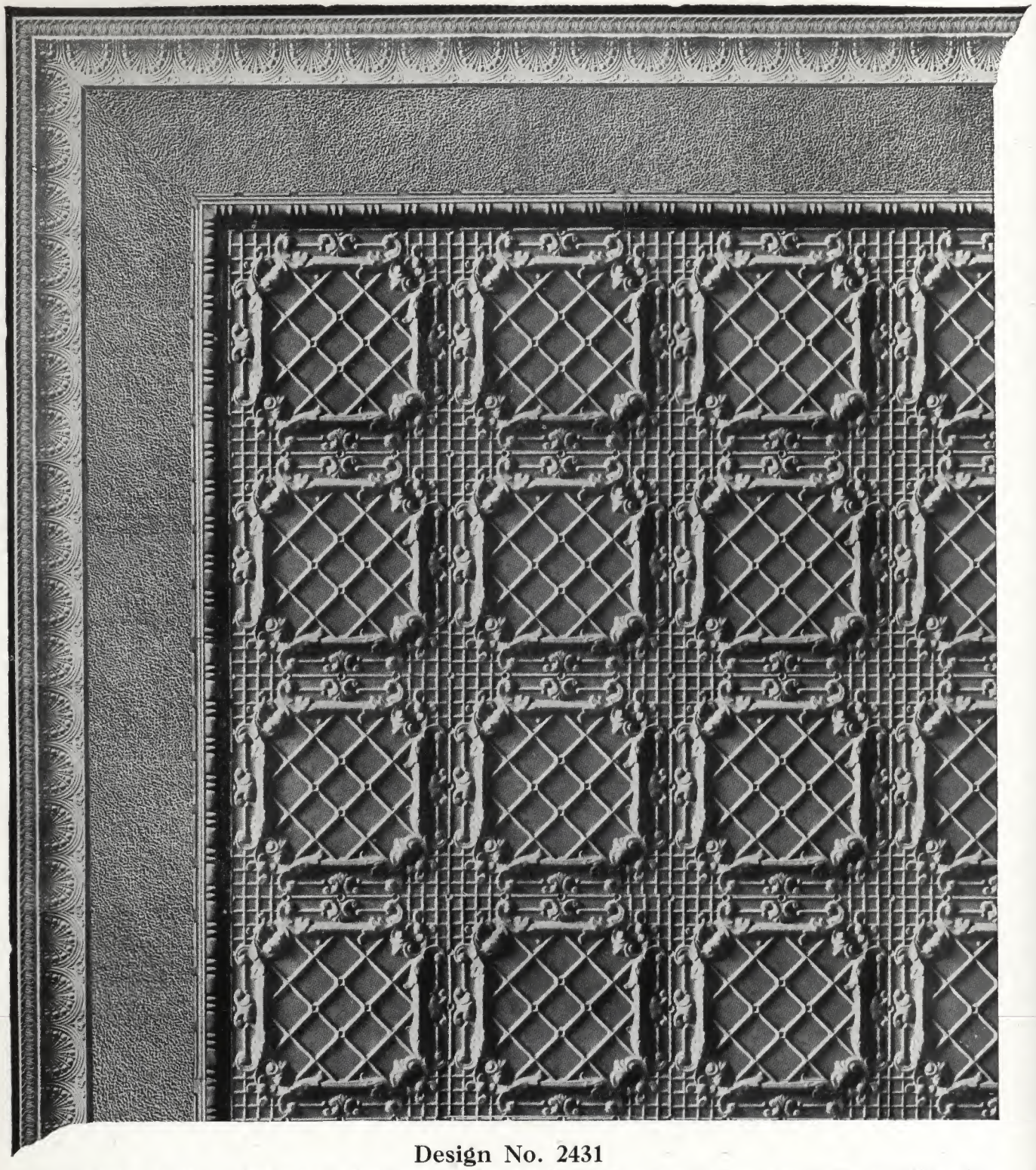
Plate No. 661 ..... Page 67
Cornice No. 351 ..... " 62

(Cornice is 8¼ inches deep, 3½ inch projection.)

A neat design, quickly applied, and suitable for any room at the buyer's discretion. A different cornice may be used if desired.

WESTEEL

Ceiling and Wall Material

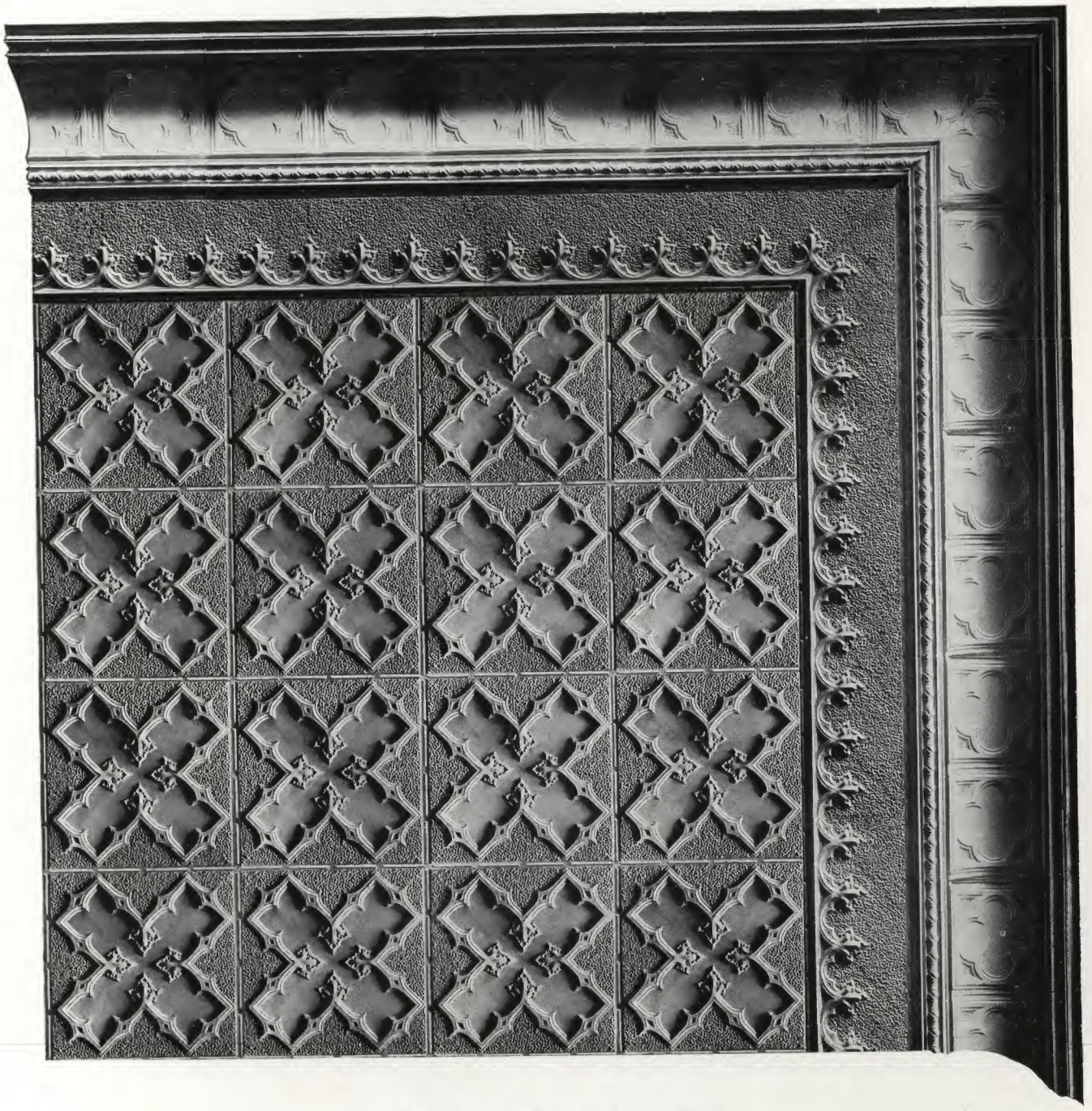


Design No. 2431

Composed of: Plate No. 544 (Page 65), Moulding No. 154 (Page 58), Filler No. 825 (Page 69), Cornice No. 332 (Page 61).
(Cornice is 6 inches deep, 5½ inch projection.)

WESTEEL

Ceiling and Wall Material



Ceiling Design No. 2730

Can be used on ceilings 8x8 feet or larger.

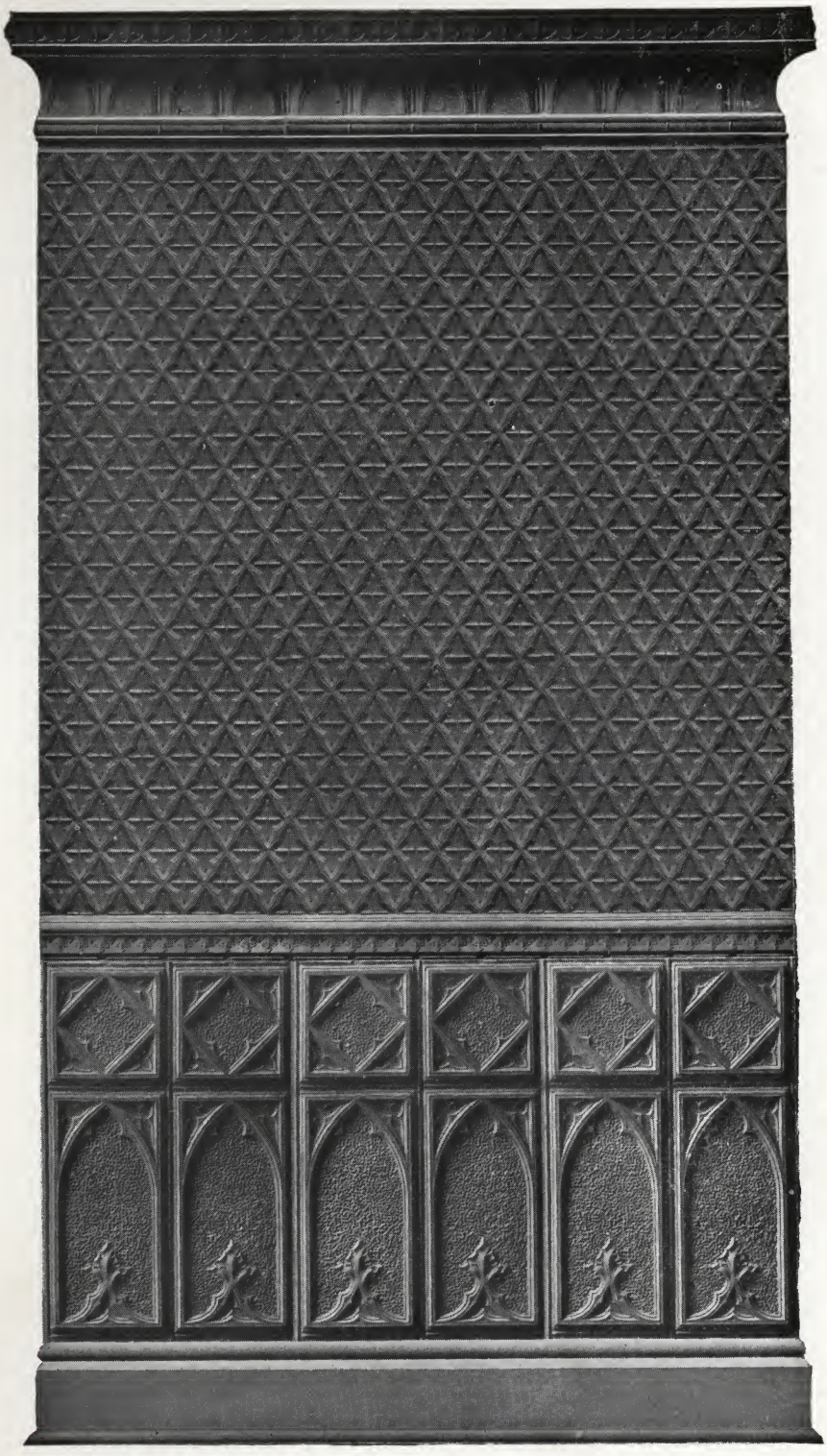
Composed of:

Plate No. 512	Page 64
Border No. 834	" 69
Cornice No. 365	" 62

(Cornice is 13½ inches deep, 12 inch projection.)

Attractive without being showy. Suitable for a variety of rooms, according to the individual taste of the owner. A different cornice and border could be used if desired.

Ceiling and Wall Material



Wall Design No. 2928

Can be used on walls 7 feet high or more. Section illustrated is (about) 6x11 feet.

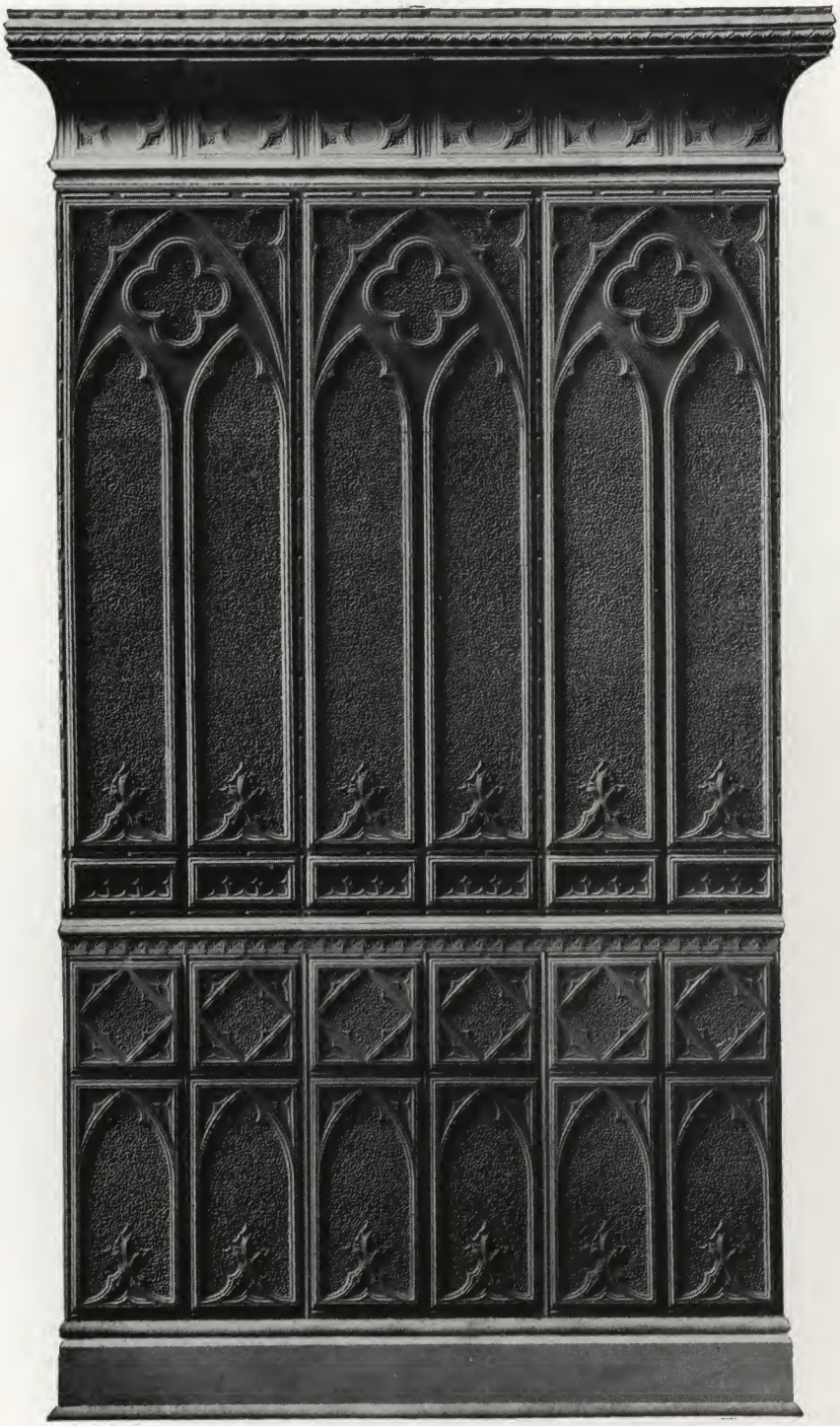
Composed of:

Cornice, No. 357	Page 62
Wall Plate, No. 661	" 67
Dado Rail, No. 250	" 59
Dado Plate, No. 466	" 63
Special Base	" 59

Base No. 265, page 59, shipped with this design unless otherwise ordered.

Customers are invited to make up their own complete designs from the individual patterns shown on pages 61 to 67.

Ceiling and Wall Material



Wall Design No. 2934

Can be used on walls 9½ feet high or more. Section illustrated is (about) 6x11 feet.

Composed of:

Cornice, No. 365	Page	62
Wall Plates, No. 621, 622, 623	"	65
Dado Rail, No. 250	"	59
Dado Plate, No. 466	"	63
Special Base	"	59

Base No. 265, page 59, shipped with this design unless otherwise ordered.

Customers are invited to make up their own complete designs from the individual patterns shown on pages 61 to 67.

Ceiling and Wall Material

Wall Design No. 2941

Can be used on walls 6 feet high or more. Section illustrated is (about) 6x11 feet.

Composed of:

Base No. 265, page 59, shipped with this design unless otherwise ordered.

A different cornice can be used with either of above wall designs, or the Base can be omitted if so desired.

Customers are invited to make up their own complete designs from the individual patterns shown on pages 61 to 67.

Farm Specialities

In the following pages we show our line of Farm Specialities, which have been designed and manufactured by us to meet the demands of the West for durable farm equipment that will make farm work easier and more profitable. We intend to add to it as the demand arises. Our attention is devoted to the needs of the West, and we are consequently familiar with its requirements.

It will pay to keep fully informed of what we are making, as our lines will open up new avenues of trade.

The WESTEEL line is well made from the best quality of material, and can be recommended to your customers as first class in every respect.

Stocks of WESTEEL farm specialities should be carried by every dealer to meet the fast growing demand.

WESTEEL

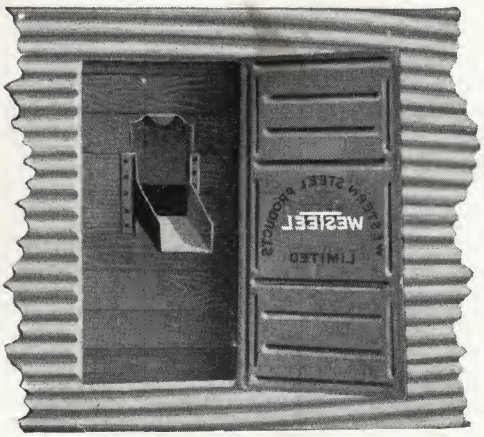
Portable Corrugated Steel Granaries

THE BODY of the WESTEEL Granary is made of 24 U.S.G. galvanized steel, corrugated and curved to make it rigid, so that wood framework is not required. It has great strength and lasting quality, is absolutely fireproof, dampproof and vermin-proof, and is fitted with the special combination door described below.

THE ROOF is made of 26 U.S.G. galvanized steel, made in sixteen sections, each seam being raised, lapped over and bolted to the angle steel rafters. The sixteen rafters are bolted to a pressed steel ring at the top and to the body of the granary at the eave. A good-sized ventilator is fitted to the peak. In opposite sections of the roof are 16-inch covered manholes for filling from either side, and to provide access when the granary is filled.

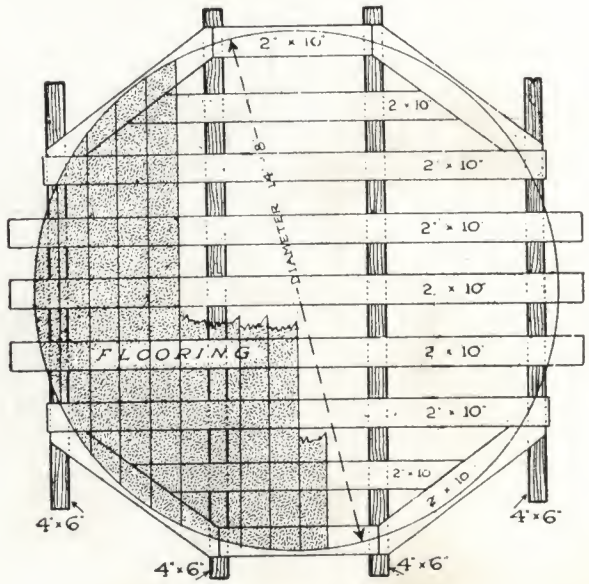
Capacity 1,000 bushels. Height 8 feet, Diameter 14 feet 8 inches.

Shipping weight (without lumber floor) 1000 lbs.



One of the most important features of the WESTEEL Granary is the combination door, size 2 ft. x 4 ft., located on the side of the granary as illustrated above.

On the inside of the opening there are grooves into which boards are fitted. One of these boards is fitted with a removable chute, hopper and cutoff slide for emptying, which can be placed at any height. When not in use for grain storage, this door, with boards removed, makes a very convenient entrance and adapts the granary for a great variety of uses at all seasons of the year.



Floor Specifications

Pieces

2 — 4 x 6 x 16 ft.
2 — 4 x 6 x 12 ft.
6 — 2 x 10 x 16 ft.
2 — 2 x 10 x 14 ft.
30 — 1 x 6 x 14 ft.

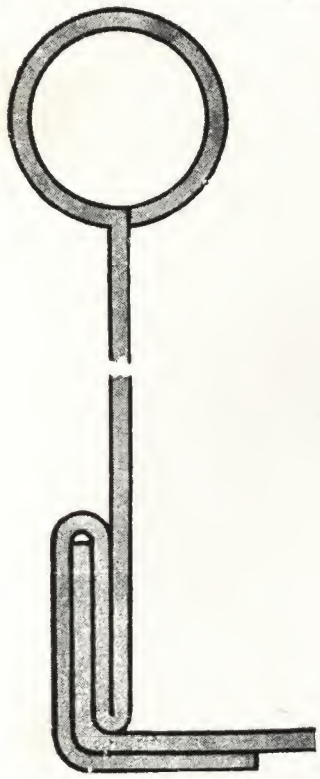
Shipping weight, 1000 lbs.

Clear erection instructions sent with each Granary.

WESTEEL

"Red Bottom" Stock Troughs

(Design Registered)



Construction of WESTEEL "Red Bottom" Stock Troughs

Stiff, rigid roll rim top. Round End style reinforced with rivetted angle iron braces up sides and across top. Round style, heavily swedged. All locked, rivetted and soldered, solder thoroughly sweated in.

Smooth Roll Rim

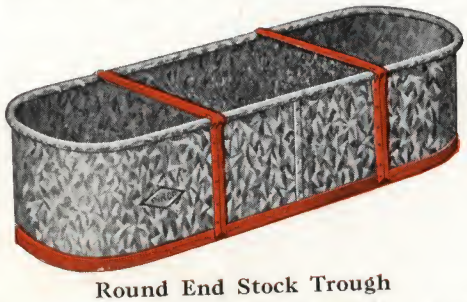
Illustration at left shows enlarged section (broken in centre). Note method of construction. Troughs have a smooth roll rim formed from body of tank itself. It is not a separate piece. It cannot loosen or come off. This exclusive feature gives great stiffness and strength. Animals cannot cut or injure themselves on this smooth rim.

Our Tank Department is completely equipped with modern machinery to produce stock troughs and house tanks of all types and sizes.

Sound construction and highest quality materials are embodied in all our products.

We make troughs and tanks for every purpose.

Let us know your requirements.



Round End Stock Trough

Made from heavy gauge galvanized steel with a roll top and double seamed bottom. Reinforced with angle iron braces on the side and cross braces across the top; fitted with ¾ inch flanged opening and outlet plug near the bottom.

No.	Size	Capacity Imperial Gallons	Shipping Weight
11	2′ x 2′ x 6′	118	75 lbs.
12	2′ x 2′ x 8′	164	90 lbs.
13	2½′ x 2′ x 8′	210	100 lbs.
16	3′ x 2′ x 10′	324	145 lbs.

Order by Number

Round Stock Trough

The construction of this trough is worthy of attention, particularly the roll top edge and the heavy, double reinforcing corrugations on the side. The bottom is double seamed and heavily soldered. Fitted with ¾ inch flange and plug for draining purposes.

No.	Diam. Feet	Height Feet	Capacity Imperial Gallons	Ship'g Weight
30	4	2	132	65 lbs.
31	5	2	223	80 lbs.
32	6	2	328	100 lbs.

Order by Number

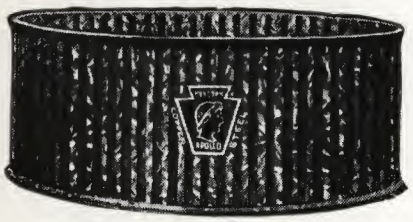
WESTEEL

Corrugated Stock Troughs

Round End Stock Trough

No.	Width in Feet	Hght. in Ins.	Lgth. in Feet	Cap. Imp. Bbls.	Shipping Wght.
24	2	23	7	4¼	65 lbs.
25	2	23	8	4¾	82 "
26	2½	23	8	6	88 "
27	3	23	10	9	140 "
28	4	23	12	14	195 "

Order by Number



Round Stock Trough

No.	Diam. Feet	Height Ins.	Cap'y Imp. Bbls.	Ship'g Weight
50	2½	23	1½	30 lbs.
51	3	23	2¼	35 "
52	4	23	4	54 "
53	5	23	6	72 "
54	6	23	9	112 "
55	7	23	12	142 "

Order by Number

Strong and serviceable troughs. Sides and bottom pressed together by machinery specially designed for the purpose. Securely rivetted, cross braced, and built to stand hard usage.

Special sizes made to order.

Corrugated Water Wagon Tank

No.	Width Feet	Height Ins.	Length Feet	Cap'y Imp. Bbls.	Shipping Weight
40	3	23	8	7	165 lbs.
41	3	23	10	9	190 "

Order by Number

Oil Wagon Tanks

Construction of Oil Wagon Tank

Made of Best Quality Blue Annealed Steel. All seams welded, heads machine flanged and welded to the body of the Tank, making a practically one-piece construction. Firmly secured to and mounted on a framing of 4x6 stringers bolted to angle iron knees, which are rivetted to rolled steel channel bolsters.

Made in two styles.

One Compartment

One compartment fitted with heavy splasher 3 inch cap filler, and locking faucet.

Two Compartment

Two compartment Tanks are divided into 8-ft. and 2-ft. units. Each compartment has 3-inch cap filler and locking faucet.

Diameter	Length	Capacity	Gauge Steel
30 ins.	10 ft.	305 Imp. gallons	12
36 ins.	10 ft.	435 Imp. gallons	12

Special sizes or compartments made to order.

WESTEEL

"Red Bottom" House Tanks

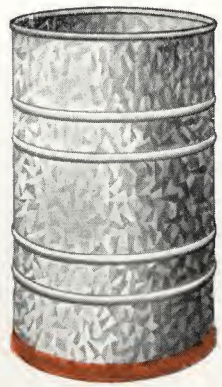
(Design Registered)

The strongest and most serviceable house tank made. The roll top and the reinforcing ribs on the side are a part of the tank and made from the body sheet. The seams are double locked and heavily soldered. The bottom is double seamed and pressed to the body sheet, forming practically a one-piece tank.

Tanks Nos. 76 to 81, inclusive, have opening for ½ inch tap, fitted with plug.

Order by Number

No.	Diam. Inches (about)	Height Inches (about)	Capacity Imp. Gals.	Shipping Weight Lbs.
68	19	22	23	10
69	22	34	46	20
71	22	28	38	15
72	27	28	60	20
73	29	28	70	25
74	29	34	80	30
75	35	34	116	35
76	29	50	120	40
77	35	50	172	50
78	37	60	234	75
79	37	72	280	80
80	40	66	300	85
81	48	66	430	100



Cisterns

Made from best quality galvanized sheet steel. Seams securely locked and heavily soldered.

Covers supplied if desired.

Shipped set up or knocked down.

Special sizes and larger Cisterns made to order.

Diam. Inches	Height Feet	Capacity Imperial gals.	Capacity Imperial bbls.	Gauge Material	No. Bands	Shipping Weight Without cover	Shipping Weight With cover
						Lbs.	Lbs.
36	4	178	4.9	26	1	55	67
44	4	227	6.3	26	1	65	77
44	5	329	9.	26	1	78	90
44	6	394	10.9	26	2	100	112
56	6	628	17.5	26	3	155	183
56	6	628	17.5	24	3	180	217
68	6	943	26.	24	3	220	264

Corrugated Galvanized Well Curbing

The best possible curbing for wells of any depth or diameter. The high quality of steel used is a guarantee against rust and corrosion. The deeply corrugated sheets are perfectly circled and securely rivetted; they withstand any amount of pressure from all sides. The snug, close-fitting slip joint, well lapped, prevents seepage and keeps the water clean.

WESTEEL Well Curbing is Verminproof, Frostproof and Rustproof.

Diameter	Longest Length accptd. by Railroads	Gauge	Shipping Weight Per foot
			Lbs.
8″	20′	22	5
10″	20′	22	6
12″	20′	22	7
15″	18′	22	9
18″	18′	22	10½
24″	16′	22	12½
30″	14′	22	15½
36″	12′	20	21
42″	10′	20	23
48″	10′	20	26

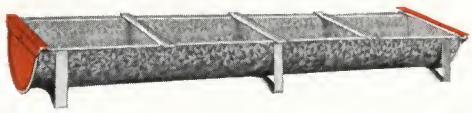
Order by Diameter

WESTEEL

Hog Troughs

Sturdy troughs made to stand hard usage. Strongly braced, very rigid. Give excellent service.

"Red End"
(Design Registered)



No.	Wide Ins.	Deep Ins.	Long Feet	Ship'g Wght.
220	12	6	2	6 lbs.
221	12	6	4	10 lbs.
222	12	6	5	15 lbs.
223	12	6	6	17 lbs.
224	12	6	8	20 lbs.

Special sizes made to order.

"Red Bottom" Snow Melter and Feed Cooker

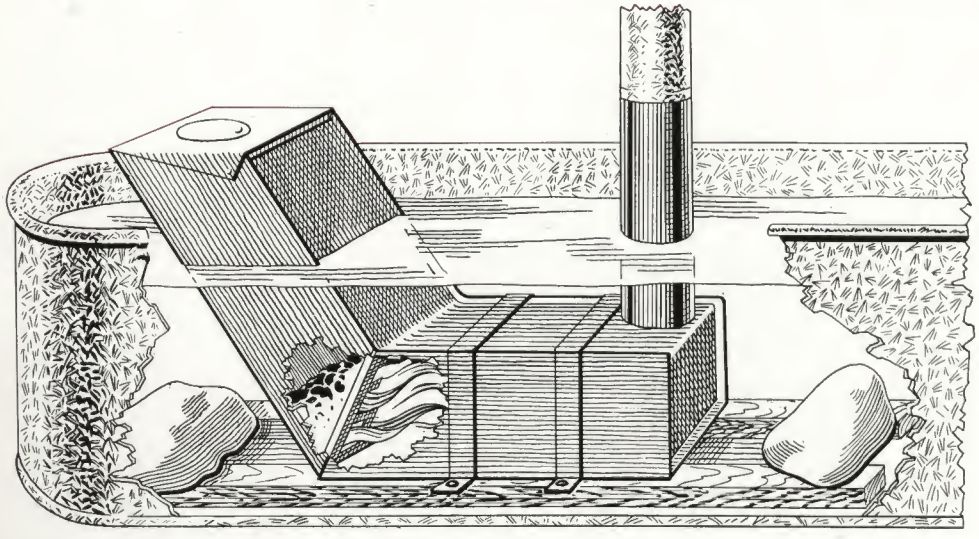
(Design Registered)

Made from Highest Quality heavy gauge galvanized steel, reinforced with angle iron braces. The vat or melter is detachable, and double seamed and soldered in the centre, not at the corners.

Made in two sizes.

No.	Vat		Furnace		Weight Lbs.
	Wide	High	Long	Deep	
202	24"	24"	71"	16"	150
203	24"	24"	95"	16"	175

Submarine Tank Heater



A welded tank heater with a large heating surface. Made of best quality black sheet steel, seams welded. Equipped with a removable grate, coal rake, and two lengths of galvanized pipe.

Weight about 60 lbs.

Seed Wheat Duster

The WESTEEL Wheat Duster is made of the best quality steel, mounted on a strongly braced, heavy angle-iron frame, at a convenient height, permitting easy bagging of treated grain, and ease for the operator.

The mixing drum is constructed with a series of baffle plates, which cause the grain to travel a distance of twenty-four feet, always in a perfect cloud of dust.

In addition, a simple and very effective elevating system is welded to the inside of the drum. This assures positive ejection of the treated seed.

Can be operated by power, by attaching pulley.

Drum is removable.

Seed Grain Pickler

This Pickler is guaranteed to pickle any kind of grain and every grain is thoroughly pickled. It is also a great labor saver—a boy can operate it, treating 125 bushels per hour easily. This Pickler is so constructed that no parts can go wrong.

DIRECTIONS: Fill the tank with liquid—the hopper with grain, open tap on bottom of tank, allowing liquid to run, then draw slide at bottom of hopper, regulating the flow of grain and the flow of liquid until you have the proper mixture.

PICKLES your seed as fast as you can shovel grain into the hopper. This is a one man Pickler and very efficient.

Range Boilers

Made from Copper-Bearing Steel

The basis of excellence in WESTEEL Range Boilers is care in selection of raw material, good workmanship, and a rigid inspection at all stages.

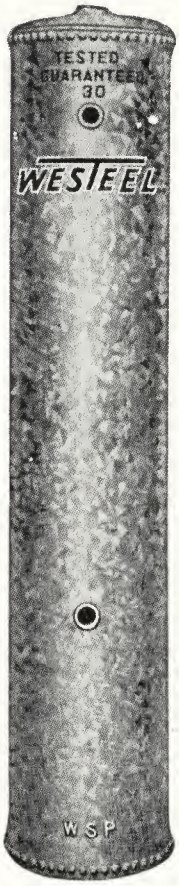
MATERIAL—We use Copper-Bearing Steel—made to resist corrosion, carefully rolled to meet the requirements of this service. This material receives special care in working, and a finish that ensures a smooth surface when coated.

CONSTRUCTION—The heads and bottoms are drawn in dies of our own design and manufacture, that permit of moulding the flat stock under a 200-ton pressure into the finished shape, which gives the pleasing appearance found only in WESTEEL Boilers.

The bodies are carefully formed to a true shape.

RIVETS—The heads, bottoms and side seam are rivetted with special rivets, drawn hot and machine spaced, so that there is no variation in either shape or spacing of the rivets to detract from the appearance, or impair the strength.

CONNECTIONS—These are special



fittings that permit of accurate threads. They are machine driven, and all threads are finished after galvanizing.

GALVANIZING—This is the most important operation in the whole process. It makes WESTEEL Range Boilers complete in appearance and lasting in service. Particular attention is given to both the operation and materials used. Carefully selected chemicals are used for treatment of the steel, that it may take on an even coating of the hot zinc, free from impurities that would interfere with the results required. We, therefore, use only Pure Virgin Western Spelter, that ensures an even coating of hot zinc both inside and out.

This operation is done in our own galvanizing plant, equipped with up-to-date facilities, which gives us the most modern hot galvanizing plant in Canada from the standpoint of the health of employees and economy in output.

TESTING — Each WESTEEL Range Boiler is thoroughly inspected and tested under pressure, to eliminate defective boilers leaving the factory.

Capacity	Style	Approximate Weight Each	Capacity	Style	Approximate Weight Each
12 Gall.	Standard	35 Lbs.	40 Gall.	Extra Heavy	120 Lbs.
18 "	"	47 "	52 "	" "	135 "
24 "	"	56 "	66 "	" "	166 "
30 "	"	75 "	82 "	" "	210 "
30 "	Extra Heavy	80 "	100 "	" "	227 "
40 "	Standard	95 "	120 "	" "	275 "

Special Sizes Made to Order

GUARANTEE—We guarantee WESTEEL Range Boilers against any defects in material and workmanship that appear on installation and test, where the working pressure is not in excess of 85 lbs. This guarantee is limited to the cost of the boiler, and will not include replacement, allowances or consequential damages.

WESTEEL Culverts

"Red End"

"Red End"

What They are Made From and Why

WESTEEL Culverts are made from Copper-Bearing Steel, the finest product of steel makers. Gives the greatest resistance to rust and corrosion. The graphic chart shown below is conclusive proof that WESTEEL Copper Steel Culverts last longer.

The Pittsburg Weather Test

The test shown below was conducted by the American Society for Testing Materials. This test was begun on December 12, 1916, and was continued for over six years. The desired information being secured, the Test was discontinued. The test consisted of corrugating the sheets and nailing them on the roofs of sheds or racks, built for the purpose in the Arsenal yard. They were left there, exposed to the elements, under perfectly natural service conditions, guarded night and day by soldiers for over six years. A sheet was counted as "failed" when a hole was rusted through in any place.

American Society for Testing Materials

Founded in Philadelphia in 1898, with 70 members. Present membership over 4,000, comprised of Engineers, Architects, Industrial Corporations, University Professors, Railway Officials, Government Officials, etc., etc., in the United States, Canada, and many other parts of the world.

It is *not* a commercial body. It does not operate for monetary gain. Its purpose is *"The promotion of knowledge of the materials of Engineering."*

The findings of this Society, as printed in their Official Publications, are universally and unquestionably accepted in the Engineering Trades as *Facts*.

This Test showed on 22 Gauge that:—

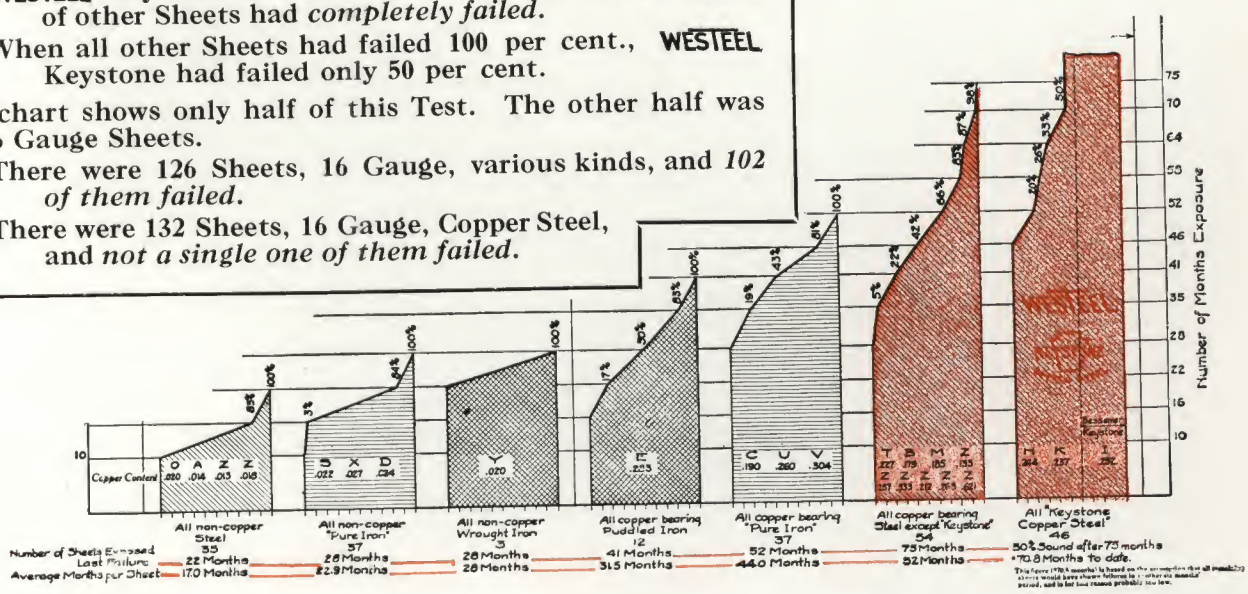
WESTEEL Keystone did not *start to fail* until 90 per cent. of other Sheets had *completely failed.*

When all other Sheets had failed 100 per cent., WESTEEL Keystone had failed only 50 per cent.

The chart shows only half of this Test. The other half was on 16 Gauge Sheets.

There were 126 Sheets, 16 Gauge, various kinds, and *102 of them failed.*

There were 132 Sheets, 16 Gauge, Copper Steel, and *not a single one of them failed.*



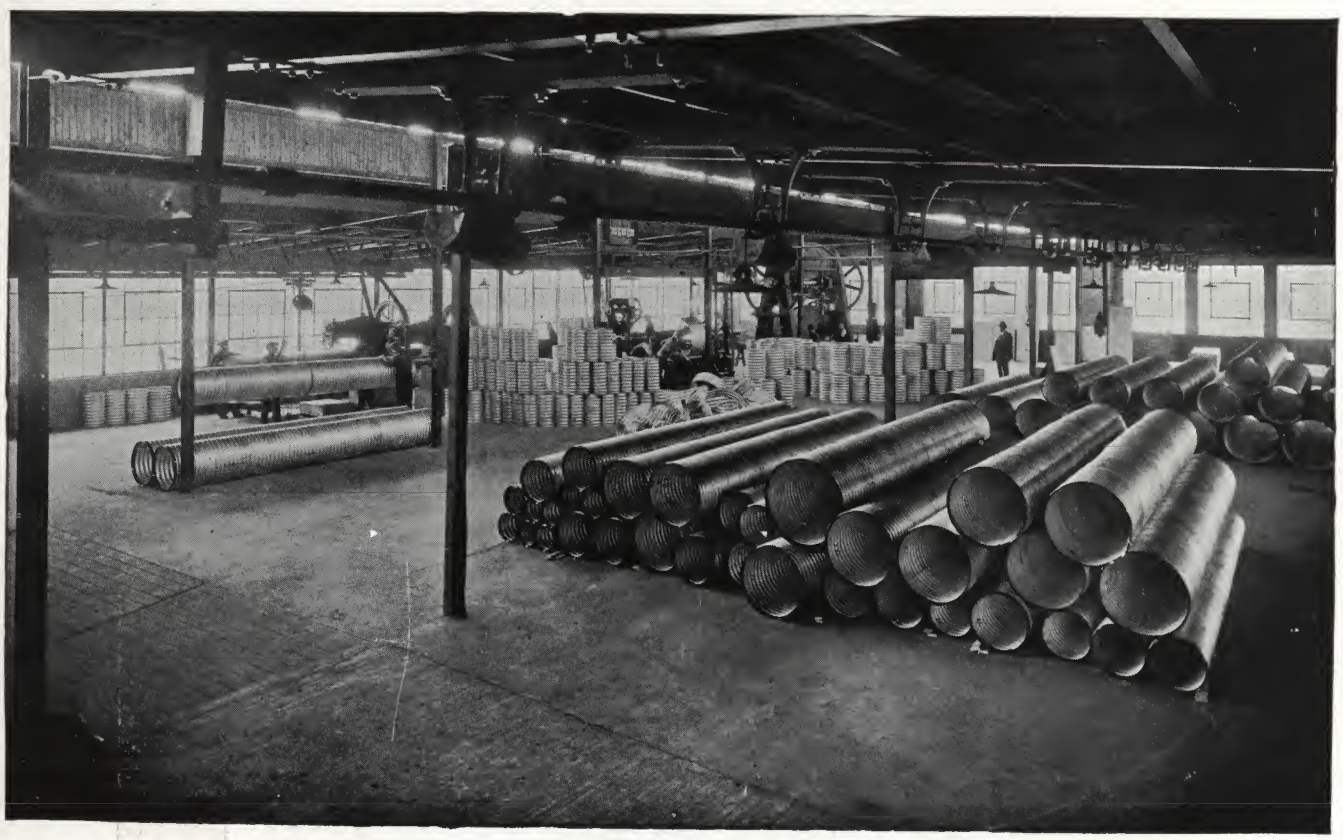
WESTEEL

Culverts (Continued)

"Red End"

"Red End"

Our modern culvert making machinery is operated by experienced workmen, under the supervision of inspectors with wide experience. This enables us to produce culverts of superior quality and workmanship.



WESTEEL Culverts are made in clean, well lighted factories, on specially designed machines maintained in perfect order by competent machinists.

Our unexcelled reputation for fair dealing is a guarantee of service and satisfaction.

WESTERN STEEL PRODUCTS LIMITED

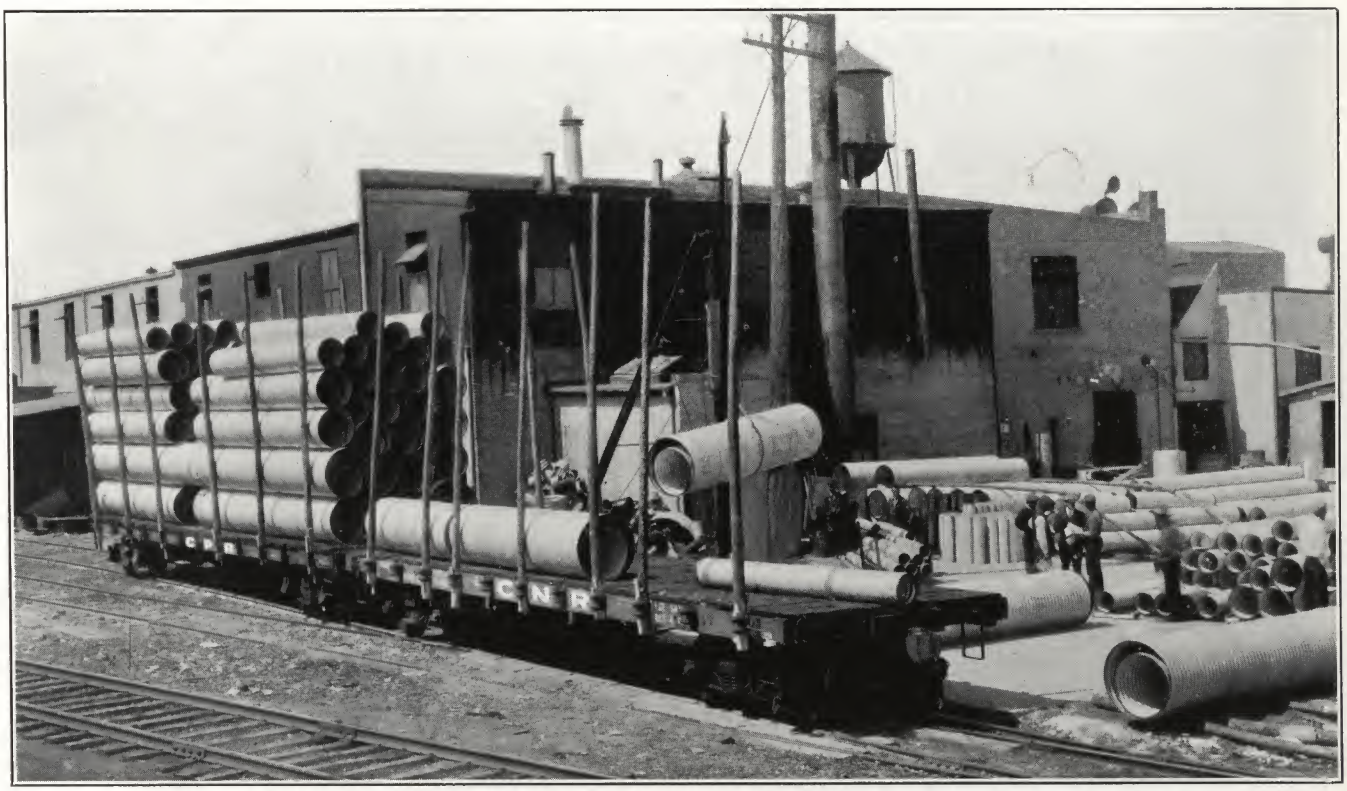
WESTEEL

Culverts (Continued)

"Red End"

"Red End"

All our factories are efficiently served by the railroads. Adequate trackage, modern loading equipment, coupled with an efficient shipping staff, ensures rapid shipments. In addition, we maintain a fleet of trucks, enabling us to make quick delivery to freight sheds. These trucks also make deliveries right to the job within a reasonable radius of our factories.



WESTERN STEEL PRODUCTS LIMITED

Culverts (Continued)

"Red End"

"Red End"

WESTEEL Corrugated Copper Steel Culverts are rivetted in one solid piece, and made in whatever length required, but usually in even feet, and in gauges increasing with the size of culvert.

Standard Diameters

10 inch	24 inch	48 inch
12 "	30 "	60 "
15 "	36 "	72 "
18 "		

Longest lengths in which Culverts may be shipped by rail:—

Diameter	Length
10 inches	20 feet
12 "	20 "
15 "	18 "
18 "	18 "
24 "	16 "
30 "	16 "
36 "	12 "
48 "	8 "
60 "	8 "
72 "	8 "

CAPACITY OF WESTEEL "RED END" CULVERTS

Diam.	Gauge	Weight per Ft.	Area in Sq. Ft.	Discharge in Gallons per Minute		
				Fall 1 ft. in 100 ft.	Fall 2 ft. in 100 ft.	Fall 3 ft. in 100 ft.
10 inch	18	7½ lbs.	.540	1,000	1,400	1,750
12 "	16	10½ "	.785	1,503	2,119	2,609
15 "	16	13 "	1.227	2,773	3,910	4,113
18 "	16	15⅗ "	1.767	4,582	6,460	7,954
24 "	16	21½ "	3.1416	9,665	13,627	16,778
30 "	16	26½ "	4.908	17,526	24,711	30,425
36 "	14	39 "	7.068	28,489	40,169	49,456
48 "	12	73 "	12.566	56,393	79,494	97,898
60 "	12	91 "	19.642	98,513	138,903	171,018
72 "	12	109 "	28.300	155,400	219,114	269,774

WESTEEL

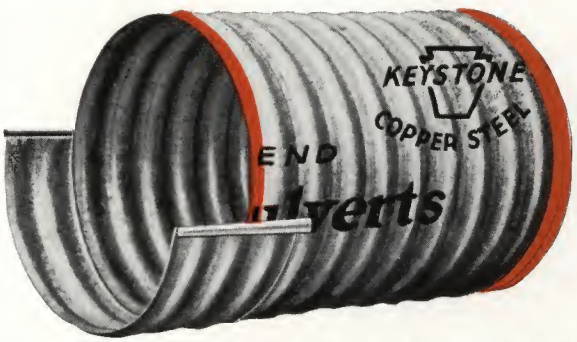
Culvert Accessories

The One-Man Coupler

(Patented)

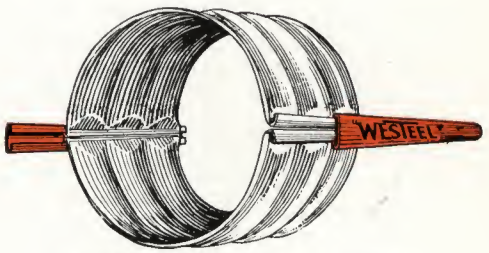
The Greatest Forward Step Since Metal Culverts were Invented

No castings to break, no burred bolt threads; no nuts to tighten. No kit of tools necessary. One man with a hammer can couple culverts and do it properly in a few minutes. They save valuable time.



Showing one length of Culvert and lower half of Coupler.

No gangs of men needed.
One man and a hammer—
That's all.



The WESTEEL One-Man Coupler

The coupler is in halves, with bevelled edges turned back. A heavy bevelled wedge-key is driven on from the narrow end, drawing the two halves easily but positively, and holding with a grip that no conceivable force can break.

The greater the strain the tighter it gets.

Driving on the Wedge-Key that completes the joint.

WESTEEL One-Man Couplers can be attached easily right in the trench.
This avoids assembling on the road and the handling of long heavy sections.

Showing both lengths of Culvert dropped into lower half of Coupler. Now drop on the top half, drive the two keys and your joint is made.

The same high quality and heavy gauge Copper-Bearing Steel is used in the manufacture of WESTEEL One-Man Couplers as is used in WESTEEL "Red End" Culverts. Each coupler is rigidly inspected before leaving our factories, and the high standard set by our inspectors is a guarantee of first-class workmanship and highest quality material.

WESTEEL

Culvert Accessories (Continued)

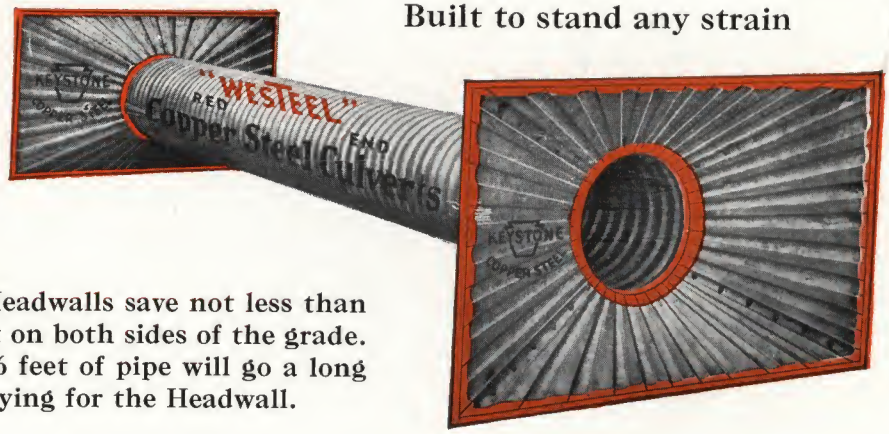
"Red End" Headwalls for Culverts

(Patented)

WESTEEL "Red End" Headwalls are better, and less expensive, than concrete and can be fastened to any Steel Culvert in a few minutes. They are portable, thus allowing the widening of grades without loss. WESTEEL "Red End" Headwalls are made from extra heavy gauge Galvanized Copper-Bearing Steel.

The edges of the smaller sizes are reinforced with band iron, and the larger sizes with heavy angle iron. A WESTEEL One-Man Coupler is supplied attached to every Headwall.

Built to stand any strain



"Red End" Headwalls save not less than 3 feet of culvert on both sides of the grade. This saving of 6 feet of pipe will go a long way towards paying for the Headwall.

Sizes Kept in Stock for Immediate Shipment

Diam. Culvert	
For	12-in.
"	15-in.
"	18-in.
"	24-in.
"	30-in.
"	36-in.
"	48-in.

Larger Sizes Made to Order

A Permanent Protection to Grades

Automatic Flood Gates

Control the Flood Water

Protect property against ruinous floods. WESTEEL Automatic Flood Gates effectively prevent backing up and flooding. A very small head of water opens the gate. The double hinge allows the gate to open easily.

Made from excellent quality of grey iron casting. Bearing surfaces are carefully machined. Door is watertight. Can be used with any Steel Culvert. No attention required when properly installed.

Made in any desired size.

EFFICIENT — DURABLE — ECONOMICAL

WESTERN STEEL PRODUCTS LIMITED

WESTEEL

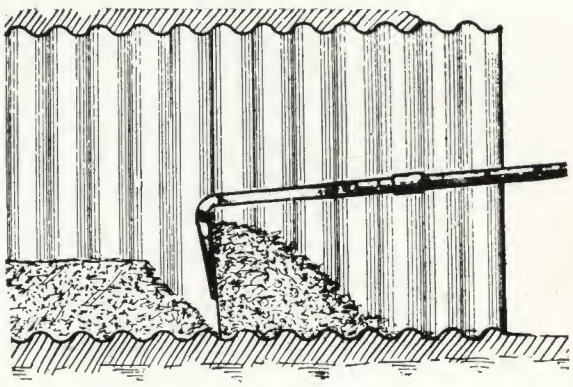
Culvert Accessories (Continued)

"Red Head"
Culvert Cleaners

(Patented)

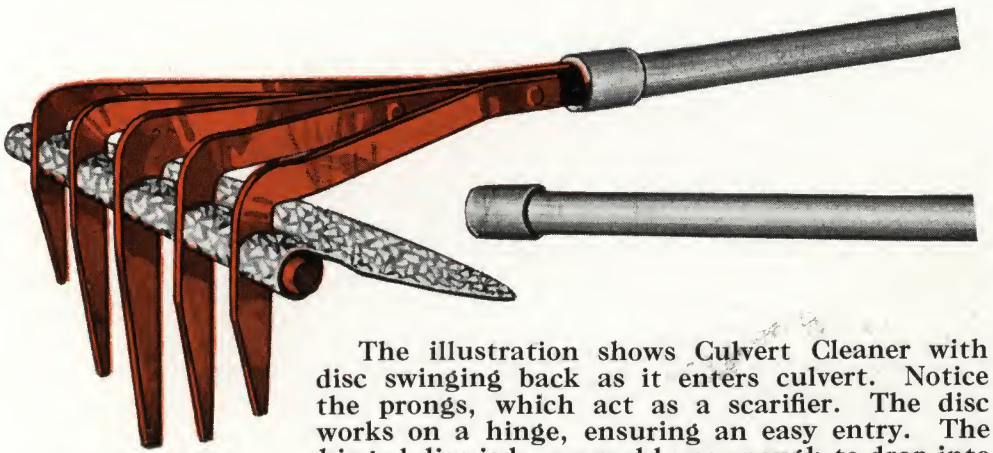
Valuable Time Savers

The WESTEEL Culvert Cleaner was designed by a practical engineer, who had experienced considerable trouble keeping culverts clear. It proved such a great success that we were asked to make them, and thus benefit every Municipality. They have been received and used with complete satisfaction. They clean culverts of any diameter easily and effectively. Low in price, they pay for themselves in a short time.



How It Works

Strongly Made and Simple to Operate



The illustration shows Culvert Cleaner with disc swinging back as it enters culvert. Notice the prongs, which act as a scarifier. The disc works on a hinge, ensuring an easy entry. The hinged disc is heavy and loose enough to drop into place against the prongs as soon as the operator starts to pull the cleaner out of the culvert.

For square culverts we furnish a square plate in place of the half-round disc.

WESTEEL Culvert Cleaners are made in three sizes

9-in. 15-in. 21-in.

Handles are made from steel pipe in 3 foot lengths, threaded at both ends, and one coupler to each length of pipe.

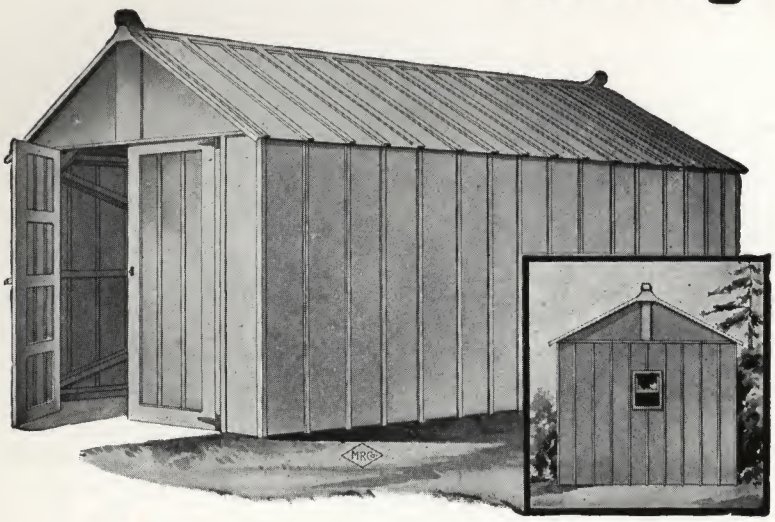
The three cleaners form a complete set for the effective cleaning of all sizes of culverts.

Complete Stocks of all sizes—Prompt Shipment

WESTERN STEEL PRODUCTS LIMITED

WESTEEL

Garages



The "Quick Set"

AN ideal combination of strength, fire protection, convenience, permanence, and low cost.

Frame entirely 2x4 lumber, each piece marked, and cut to size, ensuring easy erection.

Cast wire glazed window and hardware supplied.

Made in sizes for 1, 2, 3 or more cars.

The "Urban"

A HANDSOME GARAGE. An asset to any home. WESTEEL Spanish Tile Roofing; WESTEEL Clapboard on the sides. Glass panel doors. Cast wire glazed window. Well finished and easily erected. Fireproof and weatherproof. A garage you will be proud to own.

Made in sizes for 1, 2, 3, or more cars.

The "Bungalow"

WILL add distinction to any home. A truly beautiful garage. Note the pleasing effect of Cluster Spanish Tile. This, and our "Urban" type, may be seen on hundreds of better class residential properties throughout Canada.

Made in sizes for 1, 2, 3 or more cars.

See Price Lists for details of material we furnish.

WESTERN STEEL PRODUCTS LIMITED

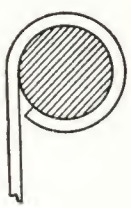
WESTEEL

Coal Chutes

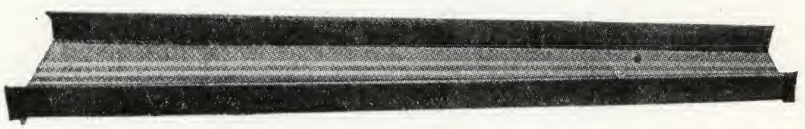
Made from Black or Galvanized Iron

The construction of this chute allows the use of heavier material in the body where the wear on a chute comes without increasing the weight over the home made chute. The re-inforcement of the rim as shown in the section adds greatly to the life of the chute.

A strong, serviceable and convenient chute in every way.



Section through top rim

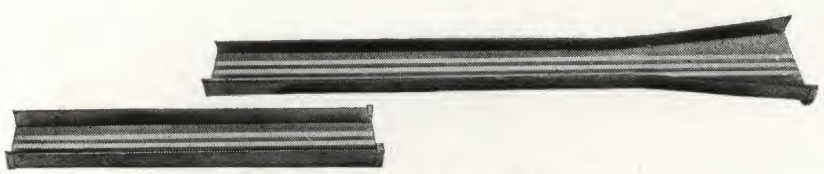


Made 8, 10, and 12 feet long.

Special Sizes made to order

Dimensions—8, 10 and 12 ft. Solid Chute

Width Top End	Depth Top End	Depth Lower End	Width Lower End	Weight Each		
				8 ft.	10 ft.	12 ft.
20 in.	5 in.	4 in.	12 in.	55 lbs.	65 lbs.	75 lbs.
22 in.	6 in.	5½ in.	15 in.	62 lbs.	73 lbs.	85 lbs.



16 ft. Extension Chute

Note the Corrugations

They make the coal slide easier and the chute stronger

Dimensions—16 ft. Extension Chute

Width Top End	Depth Top End	Length	Depth	Width	Length	Weight Each
20 in.	5 in.	10 ft.	12 in.	4 in.	6 ft.	100 lbs.
22 in.	6 in.	10 ft.	15 in.	5½ in.	6 ft.	120 lbs.

Special Sizes made to order

Weights of Galvanized Sheets

Table Showing Weights per Bundle WITHOUT BANDS, Sheet Weight, and Number of Sheets in One Bundle

GAUGES	10			12			14			16			18			20		
Ozs. per sq. ft.	92.5			72.5			52.5			42.5			34.5			26.5		
Lbs. per sq. ft.	5.781			4.531			3.281			2.656			2.156			1.656		
Size in Inches	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle
30x72	86.7	2	173	68.0	2	136	49.2	3	148	39.8	4	159	32.3	5	162	24.8	6	149
36x72	104.1	x	x	81.6	2	163	59.1	3	177	47.8	3	143	38.8	4	155	29.8	5	149
30x84	101.2	x	x	79.3	2	159	57.4	3	172	46.5	3	139	37.7	4	151	29.0	5	145
36x84	121.4	x	x	95.2	2	190	68.9	2	138	55.8	3	167	45.3	3	136	34.8	4	139
30x96	115.6	x	x	90.6	2	181	65.6	2	131	53.1	3	159	43.1	4	173	33.1	5	166
36x96	138.8	x	x	108.8	x	x	78.8	2	158	63.8	2	128	51.8	3	155	39.8	4	159
30x108	130.1	x	x	102.0	x	x	73.8	2	148	59.8	3	179	48.5	3	146	37.3	4	149
36x108	156.1	x	x	122.3	x	x	88.6	2	177	71.7	2	143	58.2	3	175	44.7	3	134
30x120	144.5	x	x	113.3	x	x	82.0	2	164	66.4	2	133	53.9	3	162	41.4	4	166
36x120	173.4	x	x	135.9	x	x	98.4	x	x	79.7	2	159	64.7	2	129	49.7	3	149

GAUGES	22			24			26			28			10 ¾ Oz.		
Ozs. per sq. ft.	22.5			18.5			14.5			12.5			10.75		
Lbs. per sq. ft.	1.406			1.156			.906			.781			.672		
24x72	16.9	9	152	13.9	11	153	10.9	14	152	9.4	16	150	8.06	19	153
30x72	21.1	7	148	17.3	9	156	13.6	11	150	11.7	13	152	10.08	15	151
36x72	25.3	6	152	20.8	7	146	16.3	9	147	14.1	11	155	12.10	13	157
24x84	19.7	8	158	16.2	9	146	12.7	12	152	10.9	14	153	9.41	16	151
30x84	24.6	6	148	20.2	7	142	15.9	10	159	13.7	11	150	11.75	13	153
36x84	29.5	5	148	24.3	6	146	19.0	8	152	16.4	9	148	14.11	11	155
24x96	22.5	7	158	18.5	8	148	14.5	10	145	12.5	12	150	10.75	15	161
30x96	28.1	5	141	23.1	7	162	18.1	8	145	15.6	10	156	13.44	11	148
36x96	33.8	5	169	27.8	6	167	21.8	7	152	18.8	8	150	16.13	10	161
24x108	25.3	6	152	20.8	7	146	16.3	9	147	14.1	11	155	12.10	13	157
30x108	31.6	5	158	26.0	6	156	20.4	7	143	17.6	8	141	15.12	10	151
36x108	38.0	4	152	31.2	5	156	24.5	6	147	21.1	7	148	18.14	8	145
24x120	28.1	5	141	23.1	7	162	18.1	8	145	15.6	10	156	13.44	11	148
30x120	35.2	4	141	28.9	5	145	22.7	7	159	19.5	8	156	16.80	9	151
36x120	42.2	4	169	34.7	5	173	27.2	6	163	23.4	7	164	20.16	8	161

x Sheets weighing more than 98 lbs. each are not bundled.

We also carry a large assortment of odd sizes in the heavy gauges.
Get our latest Stock Card showing sizes in stock.

WESTEEL

Weights of Black Sheets

Table Showing Weights per Bundle WITHOUT BANDS, Sheet Weight, and Number of Sheets in One Bundle

GAUGES 10				12			14			16			18			20		
Ozs. per sq. ft. 90. Lbs. per sq. ft. 5.625				70. 4.375			50. 3.125			40. 2.5			32. 2.			24. 1.5		
Size in Inches	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle
30x72	84.4	2	169	65.6	2	131	46.9	3	141	37.5	4	150	30.0	5	150	22.5	7	158
36x72	101.3	x	x	78.8	2	158	56.3	3	169	45.0	3	135	36.0	4	144	27.0	5	135
30x96	112.5	x	x	87.5	2	175	62.5	2	125	50.0	3	150	40.0	4	160	30.0	5	150
36x96	135.0	x	x	105.0	x	x	75.0	2	150	60.0	2	120	48.0	3	144	36.0	4	144
30x120	140.6	x	x	109.4	x	x	78.1	2	156	62.5	2	125	50.0	3	150	37.5	4	150
36x120	168.8	x	x	131.3	x	x	93.8	2	188	75.0	2	150	60.0	2	120	45.0	3	135

GAUGES 22				24			26			28			29		
Ozs. per sq. ft. 20. Lbs. per sq. ft. 1.25				16. 1.			12. .75			10. .625			9. .5625		
Size in Inches	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle	Lbs. per Sheet	Sheets per Bundle	Lbs. per Bundle
30x72	18.8	8	150	15.0	10	150	11.3	13	146	9.4	16	150	8.4	18	152
36x72	22.5	7	158	18.0	8	144	13.5	11	149	11.3	13	146	10.1	15	152
30x96	25.0	6	150	20.0	7	140	15.0	10	150	12.5	12	150	11.3	13	146
36x96	30.0	5	150	24.0	6	144	18.0	8	144	15.0	10	150	13.5	11	149
30x120	31.3	5	156	25.0	6	150	18.8	8	150	15.6	10	156	14.1	11	155
36x120	37.5	4	150	30.0	5	150	22.5	7	158	18.8	8	150	16.9	9	152

x Sheets weighing more than 98 lbs. each are not bundled.

We also carry a large assortment of odd sizes in the heavy gauges.
Get our latest Stock Card showing sizes in stock.

Canada Plate and Tin Plate

When our customers order Canada Plate, Tin Plate, or Special Metal of any description, they are absolutely assured of receiving the finest products of the best mills on the continent. Superlative quality and exactness in every detail are demanded by us.

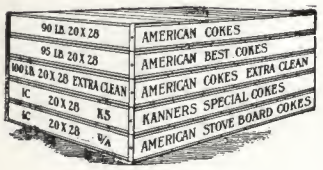
Our customers reap the benefit.

Following sizes and gauges in stock for immediate shipment.

Canada Plate

Size inches	Sheets per box	Weight per box
18 x 21 Blued	58	113 Lbs.
18 x 24 "	52	113 "
20 x 28 "	39	114 "
18 x 24 Black	75	110 "
18 x 21 "	58	113 "
18 x 24 "	52	113 "

Tin Plate



Gauge	Size inches	Sheets per box	Weight per box
30 1C	20 x 28	112	215 Lbs.
30 1C	20 x 28	56	110 "
30 1C	20 x 33	112	250 "
30 1C	20 x 33	56	130 "
30 1C	20 x 39	56	150 "
28 1X	20 x 28	112	270 "
28 1X	20 x 28	56	140 "
28 1X	20 x 33	56	165 "
28 1X	20 x 39	56	190 "
27 1XX	20 x 28	56	145 "

Fire Door Terne Plate

Every Sheet Stamped by Underwriters' Laboratories.

Size.....14 x 20 inches. Sheets per box.....112 Weight per box.....120 Lbs.

Automobile and Furniture Metal

Full Finished and Oiled.

Gauge	Size of Sheet, inches	Weight per Sheet	Gauge	Size of Sheet, inches	Weight per Sheet
24	36 x 120	24 Lbs.	19	36 x 96	42 Lbs.
22	36 x 120	37 "	19	36 x 120	52 "

Kalamein Iron

Gauge	Size of Sheet, inches	Approx. Wgt. per Sheet	Gauge	Size of Sheet, inches	Approx. Wgt. per Sheet
28	30 x 120	15.6 Lbs.	24	36 x 96	24 Lbs.
26	30 x 96	15 "	20	30 x 96	30 "
26	30 x 120	18.8 "	20	36 x 96	36 "
26	36 x 96	18 "	18	36 x 96	48 "
26	36 x 120	22.5 "			

WESTEEL

Sheet Copper and Zinc

Large stocks of all sizes and gauges always on hand.
Carefully packed to reach you in first class condition.

Copper Plain, Cold Rolled

Ounces per sq. ft.	Size inches	Approx. Weight per Sheet	Approximate Gauge
12	30 x 96	15 Lbs.	28
14	30 x 72	13⅛ "	26
14	30 x 96	17½ "	26
14	36 x 96	21 "	26
16	30 x 72	15 "	24
16	30 x 96	20 "	24
16	36 x 96	24 "	24
18	30 x 96	22½ "	24
20	30 x 72	19½ "	22
20	30 x 96	25 "	22
24	30 x 96	30 "	20

Copper Plain, Tinned One Side

Ounces per sq. ft.	Size inches	Approx. Weight per Sheet	Approximate Gauge
16	14 x 60	5½ Lbs.	24
16	30 x 72	15 "	24
14	12 x 23	1¾ "	26
14	14 x 60	5 "	26
14	30 x 72	13 "	26

Copper Planished, Tinned One Side

Ounces per sq. ft.	Size inches	Approx. Weight per Sheet	Approximate Gauge
16	14 x 60	5½ Lbs.	24
14	14 x 60	5 "	26

Tinned Iron

Gauge	Size inches	Approx. Wgt. per Sheet
26	30 x 72	12½ Lbs.
24	30 x 72	15 "
22	30 x 72	19 "

Sheet Zinc

Gauge	Size inches	Approx. Wgt. per Sheet
26	36 x 84	14 Lbs.
26	36 x 96	16 "

Nickelled Zinc

Gauge	Size inches	Approx. Wgt. per Sheet
26	32 x 54	8 Lbs.
26	30 x 96	13½ "
26	36 x 84	14 "
26	36 x 96	16 "

Monel Metal

Gauge	Size inches	Approx. Wgt. per Sheet
26	36 x 96	21 Lbs.
24	36 x 96	29 "
22	36 x 96	35 "

Above Sizes and Gauges always in stock. Special Sizes to order.

WESTEEL

Tinners' Supplies

Complete stocks of tinsmiths' requirements enable us to serve our customers promptly and efficiently.

We are ready at all times to render a thorough service. Do not hesitate to call upon us when you require sundries.

Large stocks also kept at all our branch warehouses.

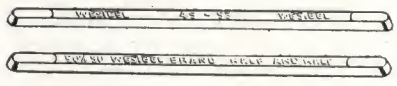
In 1 gallon stone jugs or
5 gallon Carboys.

Best Quality Charcoal

Shipped in jute sacks.
About 2 bushels per sack.

Blue Annealed Baling Wire

50 lbs. to a coil.



Best Quality Solder

45-55.....100 lbs. to a box
50-50.....100 " " "

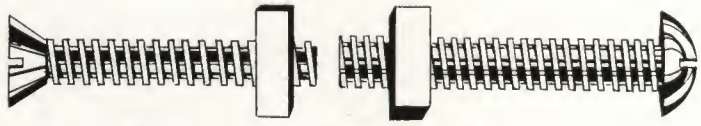
Brass Strainer Cloth

Sizes 60 and 70 mesh.

Spun Zinc or Copper Half Balls

Sizes 1 to 24 inches.

Bolts



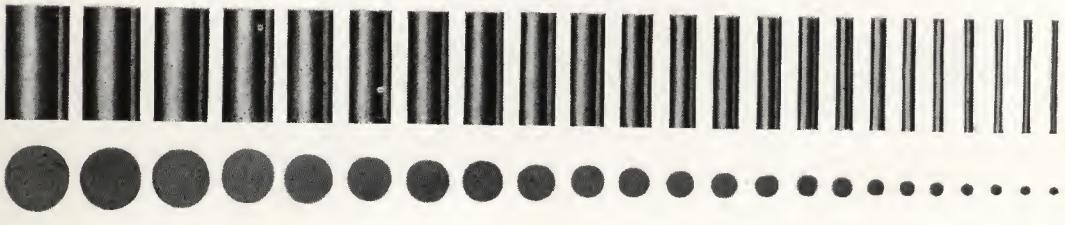
Stove — Carriage — Machine.
All sizes in stock.

Tinners' Rivets

10 oz. 12 oz. 14 oz. 1 lb. 1¼ lb. 1½ lb. 1¾ lb. 2 lb. 2½ lb. 3 lb. 3½ lb. 4 lb. 5 lb. 6 lbs.

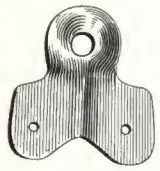
Cut illustrates actual sizes.

Tinners' Wire



00 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

Cut illustrates actual gauge.



Pail Ears

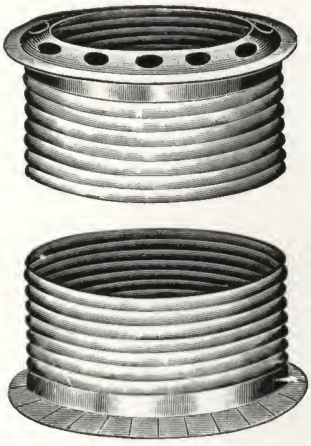
Tinned or Malleable.

All sizes in stock.

WESTERN STEEL PRODUCTS LIMITED

Tinners' Supplies (Continued)

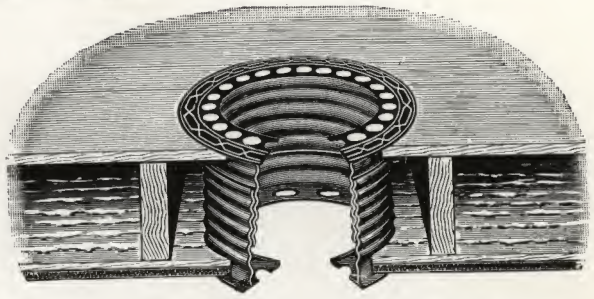
Adjustable Stove Pipe Thimbles



Cut showing sections apart.

Simple, easily and quickly adjusted to any size wall or floor. The corrugations give great strength, and tend to prevent overheating. No parts to get out of repair, no springs to lose tension.

When the Thimble is screwed to its place no working of the smoke pipe can agitate it and cause plaster to be loosened.

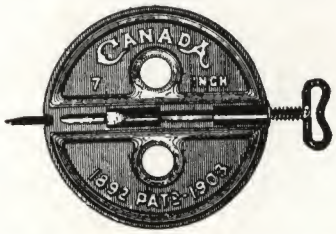


Cut shows Thimble in position in floor.

Large stocks of the following sizes:

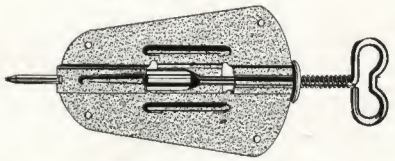
Wall Thimble for 6-inch pipe, adjustable 4 to 7½ inches.
Wall Thimble for 7-inch pipe, adjustable 4 to 7½ inches.
Floor Thimble for 6-inch pipe, adjustable 7½ to 12 inches.
Floor Thimble for 7-inch pipe, adjustable 7½ to 12 inches.

Stove Pipe Dampers



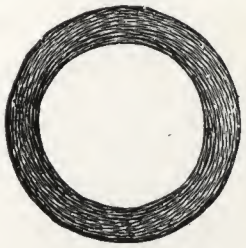
6 in., weight per doz. 8½ lbs.
7 in., weight per doz. 12 lbs.

Damper Clips



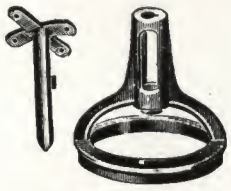
6 in., weight per doz. 3½ lbs.
7 in., weight per doz. 3½ lbs.

Stove Pipe Wire



Annealed Wire in 50 ft. Coils.

Iwans' Revolving and Ventilating Chimney Top

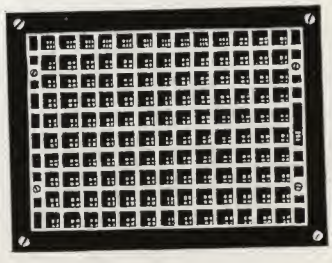


Iron Mountings.

Assures perfect draught. Chimney is fully protected from rain and snow, and currents of wind cannot suck downward into it.

We supply castings separately or complete with chimney top.

Hot and Cold Air Registers



Floor, Wall or Ceiling. Supplied in different sizes and patterns.

WESTEEL

Roofers' Supplies

Ready Roofings

We carry large stocks of Standard Brands of "Ready" Roofings at all our branch warehouses, with adequate reserve stocks at Winnipeg.

You are thus assured of prompt service when ordering from us.

Our wide experience of roofing of all descriptions is at your disposal without obligation.

Weights, sizes and prices of all Standard "Ready" Roofings furnished free on request.

Built-Up Roofs

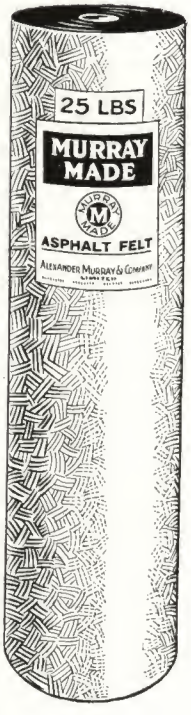
Built-Up Coal Tar Pitch and Gravel Roofs

We issue separate catalogues on Built-up Roofs.

Complete specifications, covering the various types of roof decks, supplied without charge.

Large stocks of materials for Built-up Roofs carried at all our branches, with heavy reserve stocks at Winnipeg.

The services of our trained staff are available for drafting specifications covering all types of roofs.



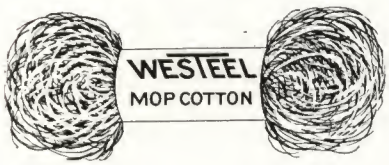
WESTERN STEEL PRODUCTS LIMITED

WESTEEL

Roofers' Supplies (Continued)

Highest quality, wear resisting roofing materials have established for us an enviable reputation with property owners. Our large stocks and efficient shipping facilities enable us to guarantee prompt service. All orders, large or small, receive our unfailing attention.

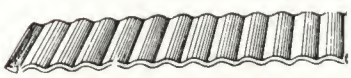
Mop Cotton



For making roof mops.

Sold by the pound.

Brick Bonds



Packed in boxes containing 1000.

Weight 60 lbs. per box.

Heavy galvanized steel.

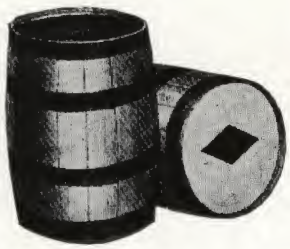
Prevents cracking of walls.

Size ¾ x 8 inches.

Asphalt

Sold in steel containers. Approximate weight 500 lbs.

Roofing Pitch



In barrels of 300 to 600 lbs. Solid, must be melted, not boiled. Covering capacity:

3 ply, 100 lbs. per square.

4 ply, 125 lbs. per square.

5 ply, 150 lbs. per square.

Roofing Caps

Stamped tin. About 175 to a pound.

See Page 104 for Complete Line of Roofing and Building Papers.

Elastigum

For cementing roof joints. Spreads with trowel. Firmly adheres to all surfaces. Never cracks, and always retains its elasticity.

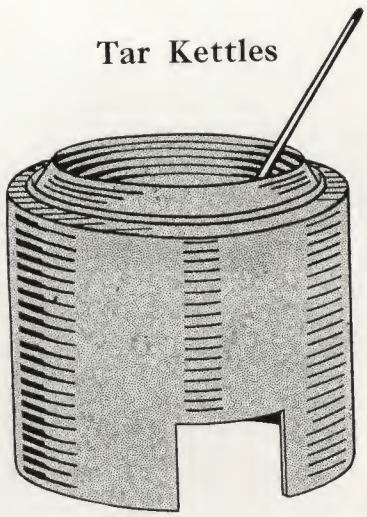
In 1, 5, 10, 30, 50 lb. containers.

Step Flashing

Size 5 x 7 inches.

Weight 15 lbs. per 100.

Tar Kettles



Made from Heavy Gauge Steel. Large size Fire door. Can be made any desired size or style.

WESTEEL

Ready Reference

Number of Trees on an Acre

4 feet apart each way	2720
5 feet apart each way	1749
6 feet apart each way	1200
8 feet apart each way	689
10 feet apart each way	420
12 feet apart each way	325
15 feet apart each way	200
18 feet apart each way	135
20 feet apart each way	110

Quantity of Seed Necessary to Sow an Acre

Alfalfa	15 to 20 lbs.
Asparagus	5 lbs.
Beans, dwarf	1½ bush.
Beans, pole	12 qts.
Beet	6 lbs.
Buckwheat	1 bush.
Cabbage	¼ bush.
Carrot	4 lbs.
Cauliflower	*1 oz.
Celery	*½ oz.
Clover	16 lbs.
Clover, Crimson	16 lbs.
Corn	10 qts.
Cow-pea	2 bush.
Cucumber	2 lbs.
Cress, water	3 lbs.
Cress, upland	3 lbs.
Eggplant	*1 oz.
Kale, or sprouts	4 bush.
Lettuce	*1 oz.
Melon, musk	3 lbs.
Melon, water	5 lbs.
Mustard	½ bush.
Onion	6 lbs.
Onion seed for sets	30 lbs.
Onion Sets	12 bush.
Orchard grass	30 lbs.
Parsnip	6 lbs.
Peas	2 bush.
Potato (cut tubers)	8 bush.
Pumpkin	5 lbs.
Radish	10 lbs.
Rye	1½ bush.
Sage	10 lbs.
Spinach	12 lbs.
Squash, bush	6 lbs.
Squash, running	4 lbs.
Tomato	¼ lb.
Turnip	2 lbs.
Vetch	1 bush.

*Per 1,000 plants.

Amount of Hay or its Equivalent Required Each Day for Every One Hundred Pounds an Animal Weighs

Working Horses	3.08 lbs.
Working Oxen	2.40 lbs.
Fatting Oxen	5.00 lbs.
Fatting Oxen, when fat	4.00 lbs.
Milch Cows	from 2.25 to 2.40 lbs.
Dry Cows	2.42 lbs.
Young Growing Cattle	3.08 lbs.
Steers	2.84 lbs.
Pigs	3.00 lbs.
Sheep	3.00 lbs.

Convenient Land Measure

10 rods by 16 rods	1 acre
5 yards by 968 yards	1 acre
40 yards by 121 yards	1 acre
220 feet by 198 feet	1 acre
120 feet by 363 feet	1 acre
300 feet by 145.2 feet	1 acre
400 feet by 108.9 feet	1 acre

Long Measure

12 inches	1 foot
3 feet	1 yard
5½ yards	1 rod, pole or perch
40 rods	1 furlong
8 furlongs	1 mile

One mile equals 320 rods or 1,760 yards or 5,280 feet or 63,360 inches.

Surveyor's Measure

7.92 inches	1 link
25 links	1 rod
4 rods	1 chain
80 chains	1 mile

Square, or Land Measure

144 sq. inches	1 sq. foot
9 sq. feet	1 sq. yard
100 sq. feet	1 square
30¼ sq. yards	1 sq. rod
40 sq. rods	1 rood
4 roods	1 acre

One acre equals 160 sq. rods or 4,840 sq. yards, or 43,560 sq. feet.
A section of land is one square mile or 640 acres.
An acre contains 10 square Gunthers chains.
A square acre measures 208.71 feet on each side.

Weights of Things in Common Use

A barrel of beef weighs	200 lbs.
A barrel of fish weighs	200 lbs.
A barrel of flour weighs	196 lbs.
A barrel of pork weighs	200 lbs.
A barrel of salt weighs	280 lbs.
A keg of powder equals	25 lbs.
A pig of lead or iron equals	301 lbs.
Cement (Hydraulic) Louisville, weight per sack, 62 lbs.; per barrel	248 lbs.
Cement, Portland, weight per sack 96 lbs.; per barrel	384 lbs.
Gypsum, ground, weight per bush.	70 lbs.
Lime, loose, weight per bushel	70 lbs.
Lime, well shaken, weight per bushel	80 lbs.
Anthracite coal broken—cubic foot averages	54 lbs.
A ton loose occupies	40-43 cubic feet
Bituminous coal broken—cubic foot averages	49 lbs.
A ton loose occupies	40-48 cubic feet
Sand at 98 lbs. per cubic foot, per bushel	122½ lbs.

18.29 bushels equal a ton. 1.181 tons, 1 cubic yard.

Average Period of Incubation

Chickens	20-22 days
Pheasants	25 days
Ducks	28 days
Guinea fowls	28 days
Turkeys	27-29 days
Geese	28-34 days

General Mathematical Rules

To find the Circumference of a Circle. Multiply diameter by 3.1416.

To find Diameter. Multiply circumference by 0.3183.

To find Radius. Multiply circumference by 0.15915.

To find Side of an Inscribed Square. Multiply diameter by 0.7071 or multiply circumference by 0.2251.

To find Side of an Equal Square. Multiply diameter by 0.8862 or multiply circumference by 0.2821.

Square. A side multiplied by 1.1142 equals diameter of its circumscribing circle.

A side multiplied by 4.443 equals circumference of its circumscribing circle.

A side multiplied by 1.128 equals diameter of an equal circle.

A side multiplied by 3.547 equals circumference of an equal circle.

To find the Area of Circle. Multiply circumference by one-quarter of the diameter or multiply the square of diameter by 0.7854 or multiply the square of circumference by .07958 or multiply the square of one-half the diameter by 3.1416.

To find the Surface of a Sphere or Globe. Multiply the diameter by the circumference or multiply the square of diameter by 3.1416 or multiply four times the square of radius by 3.1416.

To find the Contents in Gallons of any Square Vessel. Multiply the length, breadth and height together, and then multiply the product by .004329 for Wine Gallons, and by .003546 for Imperial Gallons.

To find the Contents in Gallons of any Cylindrical Vessel. Square the diameter; multiply it by the length in inches, and then multiply the product by .0034 for Wine Gallons, and by .002785 for Imperial Gallons.

To find the Contents of a Flaring Vessel. Square the diameter of the top and bottom; add them together, and divide product by 2; then multiply the quotient by the height.

Area of Rectangle. Length multiplied by breadth. Doubling the diameter of a circle increases its area four times.

Area of Triangle. Base multiplied by one-half the height.

To find the Area of a Parallelogram. Multiply the base by the height.

WESTEEL

Index

WESTEEL

Index (Continued)

COVER BY
THE BROWN BROTHERS, LIMITED

A CROWNING ACHIEVEMENT

Beauty and Protection at *Low Cost!*

The roof is the most important single unit of the home because the safety and comfort of the occupants, the protection of personal property, and the life of the building largely depend upon the ability of the roof covering to resist the three most destructive agencies known—

Fire — Weather — Time

WESTEEL Spanish Tile combine durability and beauty with lightness.

They are absolutely Fireproof, non-absorbent, and afford complete protection from the elements.

There is no roof "*just*

WES

Cluster S

WESTEEL Cluster Spanish Tile is a modern de velopment of the most beautiful of all roofings Perfected Ridges, Hips, Valleys and terminals combine to produce a roof of outstanding beauty.

The Tiles are grouped in units of 12. Quickly laid and easily kept in perfect alignment.

To secure for your ho manence use the specific this folder.

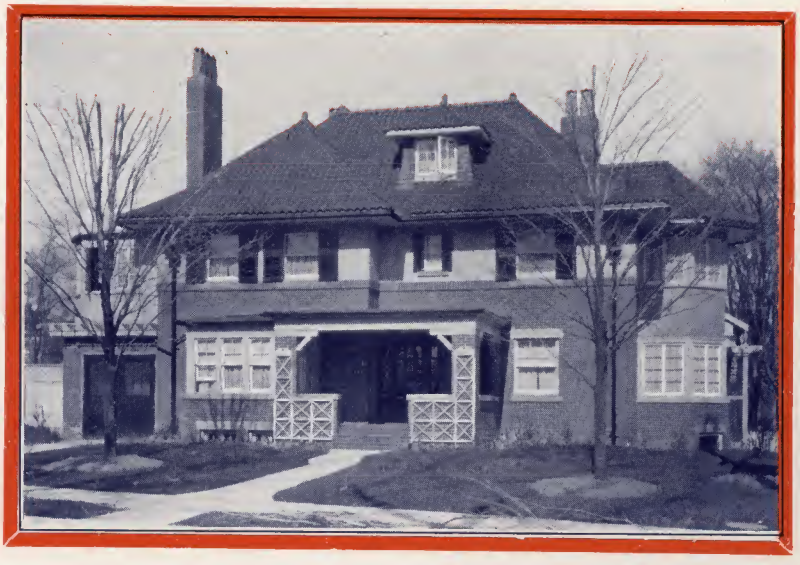
The services of our trained staff a

WESTERN STEEL

WI

CALGARY - EDMONTON - RE

ke" WESTEEL Spanish Tile



TEEL

panish Tile

Unlimited possibilities for color effects are afforded in WESTEEL Cluster Spanish Tile Roofs. They can be painted in natural clay Tile colors, harmonizing to produce the desired architectural effect.

WESTEEL Cluster Spanish Tile Roofs look better and last longer than ordinary roofings.

A roof of WESTEEL Cluster Spanish Tile can now be secured with a very moderate outlay.

This beautiful roof costs relatively less from a roof service standpoint than many roofs on the market which cannot for a moment compare in appearance or service with WESTEEL Spanish Tile.

e a roof of beauty and per-
tions printed on the back of

at your disposal, without obligation.

PRODUCTS LIMITED

NIPEG

NA - SASKATOON - VANCOUVER

Specifications

SHEETING	Roof to be covered over the whole surface with 7/8 in. matched boarding, by the carpenter.
PAPER	Cover the roof surface with a good building paper weighing not less than 5 lbs. per square. Paper to be lapped not less than 3 in. and to be properly fastened with flat-headed nails, using galvanized pieces under heads to prevent tearing.
CLUSTER SPANISH TILES	The whole roof to be covered with Galvanized Cluster Spanish Tiles of the Western Steel Products Limited make, and equal to **WESTEEL** quality No. 28 Gauge Galvanized Iron. Starter tiles to be laid to a chalk line square with eaves. Regular tiles to be laid straight and true and at right angles to eaves. Where necessary use chalk line to insure perfect alignment of rolls.
NAILING	Tiles to be properly fastened with Galvanized Nails, having lead washers under heads. Use 1 in. x 1 in. Wood Strips to support Side Flange.
RIDGES AND HIPS	Use proper stamped Hip Caps, Ridge Caps and Terminals where required to make a first class finish at all points.
VALLEYS	Lay No. 28 Gauge galvanized "Special" Valley, not less than 24 in. Girth to all valleys. Valley Starter Tiles to be used to close the ends of rolls, and to be properly folded to fit into hooks formed on "Special" Valley.
CHEEKS OF DORMERS	When tiles finish against cheeks of Dormers, Parapet Walls, etc., bend the tile up against same at least 3 in. and counterflash over same in proper manner.
SADDLES	Put plain Galvanized Saddles to all chimneys with hook formed as on "Special" Valley. Finish at sides with Valley Starter Tiles. (Carpenter will build wood saddles in preparation for metal.)
GENERAL	Hips and Valleys to be properly soldered where necessary, and the whole roof to be made thoroughly watertight. Detailed directions furnished by the manufacturers should be carefully followed in all particulars.
PAINTING	All painting to be best two coat work. Galvanized Iron to receive a priming coat of Red Oxide of Iron Paint. Finish coat to be mixed from best pigments and pure linseed oil, and to be of a shade approved by the architect or owner.

Extra copies of specifications furnished free on request.

WESTERN STEEL PRODUCTS LIMITED

WINNIPEG

CALGARY - EDMONTON - REGINA - SASKATOON - VANCOUVER

Price List No. 1035 . . . July, 1935

WESTEEL

CEILING AND WALL MATERIALS

(MADE IN CANADA)

Prices in this list include Sales Tax
SEND FOR PRICE LISTS ON OTHER PRODUCTS

We Also Manufacture:

Corrugated Iron, High Joint Roofing, Metal Shingles, Sidings, Eavetrough, Conductor Pipe, Elbows, etc.; Hollow Metal Windows, Firedoors, Steel Sash; Cornices, Skylights, Ventilators; Stock Troughs, Steel Granaries, Tank Heaters, Wood Burning Heaters, House Tanks, Cisterns; Range Boilers, Oil Barrels, Oil Storage and Wagon Tanks; Doublemesh, Herringbone and Key Lath, "Red End" Copper Steel Culverts.

TERMS: NET 30 DAYS

We Carry the Largest Stocks of Sheet Steel in Western Canada

GALVANIZED SHEETS **BLACK SHEETS**

We also carry large stocks of:

Tin Plate, Copper, Canada Plate, Zinc, Auto Body Stock, Tinned Iron, Kalamein Iron, Solder, Asbestos Paper, Etc.

WESTERN STEEL PRODUCTS LIMITED

WINNIPEG, MAN.

CALGARY - EDMONTON - REGINA - SASKATOON - VANCOUVER

RICES—
rices quoted are f.o.b. Factory, Winnipeg, Regina, Saskatoon, Calgary and Edmonton, with no additional charge for crates, boxes or other packages. We will be glad to quote prices with freight charges prepaid to any station in Western Canada on receipt of specifications.

ERMS—
let 30 days from date of invoice on receipt of satisfactory credit references.

SQUARE—
square of material means sufficient to cover 100 square feet (10 x 10 feet), on a plain surface.

HIPPING WEIGHT—
he shipping weight of ceiling material is approximately 65 lbs. per square, crated.

AILS—
re supplied free.

IETHOD OF CHARGING—
Vhen customers figure out their own quantities we charge at individual prices shown on page 3. When we figure out the quantities from customers' sizes or sketches we charge at the bulk prices shown on page 4.

f a customer orders two squares of plate, 60 feet of cornice and 4 inside mitres, this will be charged at the prices shown on page 3. If, however, the order reads "send enough plate, cornice and mitres for a room 15 feet x 20 feet," it will be charged as shown on page 4.

he total cost in either case will be practically the same. In one case, page 3 may work out a trifle cheaper, but in another case page 4 may be cheaper. It will, however, be found that in the majoriy of cases individual and bulk prices will be practically the same.

Standard Ceiling Plates are kept in Stock at Winnipeg for Immediate Shipment

		Prices F.O.B. Factory			
		Wpg.	Regina	Sask'n.	Calg. & Edm'n.
STANDARD CEILING PLATES Nos. 432, 438, 447, 512, 523, 537, 538, 544, 545, 650, 656, 661.	Per square	$6.75	$7.20	$7.30	$7.50
MISCELLANEOUS CEILING PLATES Nos. 435-6-7, 448, 482-3-4-5-6-7, 501-2-3-4-5-6, 511-13-14-15, 521-2-5-6-7-8-9, 531-2, 637.	Per square	$7.75	$8.20	$8.30	$8.50
BEADED CEILING (Plate No. 650)	Per square	$6.75	$7.20	$7.30	$7.50
STANDARD SIDEWALL PLATES Nos. 438, 447, 466, 621-2-3, 654-6, 661.	Per square	$6.75	$7.20	$7.30	$7.50
MISCELLANEOUS SIDEWALL PLATES Nos. 435-6-7, 448, 602, 604, 631-2-3, 663.	Per square	$7.75	$8.20	$8.30	$8.50
WAINSCOT PLATES Standard Nos. 446, 621-2-3.	Per square	$6.75	$7.20	$7.30	$7.50
Miscellaneous Nos. 464, 470, 631-2-3, 860.	Per square	$7.75	$8.20	$8.30	$8.50
BORDER PLATES AND FILLERS Standard Nos. 825, 834.	Per square	$6.75	$7.20	$7.30	$7.50
Miscellaneous Nos. 516-7-8, 829, 840-1-2, 849, 850-1-2, 860.	Per square	$7.75	$8.20	$8.30	$8.50
BEAM COVERINGS Standard No. 295 (figure girth on even inches.)	Per square	$6.75	$7.20	$7.30	$7.50
Miscellaneous Nos. 285-6, 296, 299.	**PRICES ON APPLICATION GIVING GIRTH**				
FRIEZES Standard Nos. 825, 834.	Per square	$6.75	$7.20	$7.30	$7.50
Miscellaneous Nos. 516, 829, 840, 850, 860.	Per square	7.75	8.20	8.30	8.50
CENTRE PIECES—No. 742 (in parts)	Each	$3.20	$3.50	$3.75	$4.00
No. 760.	Each	95	1.00	1.10	1.25

Prices on other Centres on Application

IMMEDIATE SHIPMENT ON STANDARD DESIGNS

CORNICES and MITRES

Prices F.O.B. Factory — **STANDARD DESIGNS** — **Prices F.O.B. Factory**

No.	Winnipeg	Regina	Saskatoon	Calgary & Edmonton		MITRES	Winnipeg	Regina	Saskatoon	Calgary & Edmon
310	$ 3.40	$ 3.50	$ 3.55	$ 3.70	Per 100 lin. feet			NOT MADE		
315	6.20	6.40	6.50	6.75	"	"	$0.09	$0.10	$0.10 each	$0.
318	8.10	8.30	8.40	8.75	"	"	.14	.15	.15 "	.
332	11.50	11.90	12.00	12.50	"	"	.16	.17	.17 "	.
334	12.00	12.50	12.60	13.00	"	"	.16	.17	.17 "	.
351	11.70	12.20	12.30	12.65	"	"	.16	.17	.17 "	.
357	18.50	19.00	19.10	20.35	"	"	.30	.32	.32 "	.
365	25.50	26.20	26.50	28.00	"	"	.70	.73	.73 "	.

MISCELLANEOUS DESIGNS

324	$10.00	$10.40	$10.50	$11.00	Per 100 lin. feet	"		$0.11	$0.15	$0.15 each	$0.
328	10.30	10.70	10.80	11.35	"	"		.14	.15	.15 "	.
336	11.30	11.80	11.90	12.50	"	"		.16	.17	.17 "	.
347	14.00	14.50	14.60	15.00	"	"		.25	.27	.27 "	.
355	18.00	18.60	18.80	19.80	"	"		.30	.32	.32 "	.
360	24.00	24.70	25.00	26.40	"	"		.70	.73	.73 "	.
370		Cancelled—Not made.									
380		Price on Application.									
382	135.00	138.00	140.00	145.00	"	"	(In)	1.00	1.05	1.07 "	1.
						"	(Out)	3.50	3.60	3.65 "	3.
384	48.00	50.00	51.00	53.00	"	"	(In)	.80	.85	.86 "	.
						"	(Out)	1.10	1.20	1.25 "	1.
386	24.00	25.00	25.30	26.40	"	"	(In)	.80	.85	.86 "	.
						"	(Out)	.90	.95	.96 "	.1

IMMEDIATE SHIPMENT ON STANDARD DESIGNS

MOULDINGS, Etc.

Prices F.O.B. Factory — **STANDARD DESIGNS** — **Prices F.O.B. Factory**

No.		Winnipeg	Regina	Saskatoon	Calgary & Edmonton	
120	Mldg.	$4.30	$4.40	$4.50	4.75	per 100 feet
121	Ells.	.08	.09	.09	.10	each
124	Mldg.	5.30	5.40	5.50	5.80	per 100 feet
125	Ells.	.08	.09	.09	.10	each
146	Mldg.	5.50	5.60	5.70	6.00	per 100 feet
147	Ells.	.09	.10	.10	.12	each
154	Mldg.	5.90	6.00	6.10	6.50	per 100 feet
155	Ells.	.09	.10	.10	.12	each
160	Mldg.	6.30	6.45	6.60	6.95	per 100 feet
161	Ells.	.09	.10	.10	.12	each
190	Mldg.	9.50	9.70	9.80	10.45	per 100 feet
191	Ells.	.14	.15	.15	.17	each
192	Tees	.14	.15	.15	.17	each
193	Crosses	.14	.15	.15	.17	each

No.		Winnipeg	Regina	Saskatoon	Calgary & Edmonton	
210	Mldg.	$15.00	$15.40	$15.50	$16.35	per 100 fe
211	Ells.	.25	.27	.28	.30	each
212	Tees	.25	.27	.28	.30	each
213	Crosses	.25	.27	.28	.30	each
214	Spacers	.25	.27	.28	.30	each
250	Chair Rail	5.50	5.60	5.70	6.00	per 100 fe
251	Ends	.11	.12	.13	.14	each
252	Ends	.11	.12	.13	.14	each
270	Corner	2.00	2.10	2.20	2.30	per 100 fe
271	Corner	2.00	2.10	2.20	2.30	per 100 fe
275	Mldg.	10.00	10.25	10.40	11.00	per 100 fe
275	Mitres	.56	.60	.62	.75	each
278	Mldg.	4.00	4.10	4.20	4.50	per 100 fe

MISCELLANEOUS DESIGNS

No.		Winnipeg	Regina	Saskatoon	Calgary & Edmonton	
116	Mldg.	$1.30	$1.40	$1.50	$ 1.75	per 100 feet
128	Mldg.	5.30	5.40	5.50	5.85	per 100 feet
129	Ells.	.08	.09	.09	.10	each
134	Mldg.	5.30	5.40	5.50	5.85	per 100 feet
135	Ells.	.08	.09	.09	.10	each
142	Mldg.	5.50	5.60	5.70	6.00	per 100 feet
143	Ells.	.09	.10	.10	.12	each
166	Mldg.	7.90	8.10	8.20	8.70	per 100 feet
170	Mldg.	9.50	9.70	9.80	10.50	per 100 feet
171	Ells.	.14	.15	.15	.17	each
172	Tees	.14	.15	.15	.17	each
173	Crosses	.14	.15	.15	.17	each

No.		Winnipeg	Regina	Saskatoon	Calgary & Edmonton	
180	Mldg.	$ 9.50	$ 9.70	$ 9.80	$10.50	per 100 fe
181	Ells.	.14	.15	.15	.17	each
182	Tees	.14	.15	.15	.17	each
183	Crosses	.14	.15	.15	.17	each
220	Mldg.	15.00	15.40	15.50	16.35	per 100 fe
221	Ells.	.25	.27	.27	.30	each
222	Tees	.25	.27	.27	.30	each
223	Crosses	.25	.27	.27	.30	each
260	Base	10.00	10.25	10.40	11.00	per 100 fe
265	Base	10.00	10.25	10.40	11.00	per 100 fe
279	Mldg.	8.00	8.20	8.30	8.75	per 100 fe
280	Mldg.	9.00	9.20	9.30	9.85	per 100 fe

IMMEDIATE SHIPMENT ON STANDARD DESIGNS

ESTIMATES FREE ON REQUEST

WESTERN STEEL PRODUCTS
LIMITED

BULK PRICES (see bottom of page 2)

This is the simple method of arriving at the cost of Metal Ceilings and Walls. You will find it the most convenient time-saving method of figuring.

CEILINGS

Find the total number of square feet in ceiling by multiplying extreme length by extreme width, wall to wall, and figure as follows:—

	Winnipeg	Regina	Saskatoon	Calgary & Edmonton
Ceilings composed of Standard Plates or Beaded Ceiling only and cornice, adding cost of cornice required, including cornice around beams, chimneys, etc., if any, at price per 100 feet shown on page 3. If a moulding is used instead of cornice ADD cost of this. (No charge for mitres.)	$6.75	$7.20	$7.30	$7.50
Ceilings composed of miscellaneous Plates and Cornice, figuring as shown above. (No charge for mitres.)	7.75	8.20	8.30	8.50
Ceilings with border, filler or moulding in addition to Standard Ceiling Plates, adding cost of cornice or moulding as above. (No charge for mitres.)	7.25	7.70	7.80	8.00
Ceilings with border, filler or moulding in addition to miscellaneous Ceiling Plates adding cost of cornice or moulding as above. (No charge for mitres.)	8.25	8.70	8.80	9.00

BEAMS—No charge is made for beam covering other than cornice as mentioned above.

OPENINGS AND OFFSETS in ceilings, viz:—Stairwells, cupboards, chimneys, etc. Figure each separately and DEDUCT those over 25 square feet. For those 25 square feet or less, do not make any deduction. When stairwells or skylight wells are over 25 square feet, add cost of moulding required as a finish around edge of same.

CENTRE PIECES—No extra charge for centre pieces Nos. 734,, 738, 747, 748, nor for 754 when shipped in parts. Other Centre Pieces charged extra.

WALLS

Find total number of square feet by multiplying length around room by height from where metal starts at bottom to ceiling line and figure as follows:—

	Winnipeg	Regina	Saskatoon	Calgary & Edmonton
Standard Plates or Beaded Ceiling only	$6.75	$7.20	$7.30	$7.50
Miscellaneous Plates only	7.75	8.20	8.30	8.50
Metal Base, Moulding or Frieze used in addition to Standard Plates or Beaded Ceiling	7.25	7.70	7.80	8.00
Metal Base, Moulding or Frieze used in addition to Miscellaneous Plates	8.25	8.70	8.80	9.00

OPENINGS IN WALLS (Doors, Windows, Etc.)

Figure each separately and DEDUCT those OVER 25 square feet. For those 25 square feet or less, do not make any deduction.

Prices for walls do not include a cornice. The cornice is considered as a part of the ceiling.

EXAMPLES Of Ceilings figured under Bulk system at Winnipeg prices.

No. 1— Room 12 x 16 feet.
Design No. 2167, page 74 Cat. 828.
(Ceiling Plate 545, Cornice 332)

2x12 ft.—24 ft.	12 ft. x 16 ft.—192 sq. ft. at $6.75—	$12.96
2x16 ft.—32 ft.	56 ft. 332 Cornice at $11.50—	6.44
56 ft.	Total Price	$19.40

No. 2— Same ceiling as above but using Design No. 2431, page 76 Cat. 828.
(Plate 544, Mldg. 154, Filler 825, Cornice 332)

	192 sq. ft. at $ 7.25—	$13.92
	56 ft. 332 Cornice at 11.50—	6.44
	Total Price	$20.36

No. 3— Room 20x54 ft. with 2 beams running 20 ft. way Design No. 2252, page 65, Cat. 'C".
(Plate 506, Mldg. 180, Filler 825, Cornice 355)

6x20 ft.—120 ft.	20x54.—1080 sq. ft. at $ 8.25—	$ 89.10
2x54 ft.—108 ft.	228 ft. 355 Cornice at $18.00—	41.04
228 ft.	Total Price	$130.14

No. 4—
Room 16x36 ft. with open stair-well 5x9 ft. in one corner and a skylight-well 4x6 ft.
Design No. 2166, page 73 Cat. 828 with moulding 128 around stair-well and skylight-well. 16x36 ft.—576 sq, feet.
Less stair-well 5x9 ft.—45 sq. ft.
(Plate 537, Cornice 334)

No deduction for skylight-well because not over 25 square feet	431 sq ft. $6.75—	$35.84
36 ft.		
16 ft.	90 ft. 334 Cornice at $12.00—	$10.80
27 ft.	14 ft. 128 Mldg. at 5.30—	.74
11 ft.	**(Moulding around stair-well)**	
90 ft.	Total Price	$47.38

No extra charge for moulding around skylight because not over 25 square feet

WESTEEL **CEILINGS**
are Fireproof—Permanent—Beautiful—Sanitary
USE THEM
for Homes—Stores—Schools—Offices—Churches

IMMEDIATE SHIPMENT ON STANDARD DESIGNS

KEYSTONE COPPER STEEL APOLLO

WESTEEL

KEYSTONE COPPER STEEL

Price List No. 1229

NOTICE
All goods manufactured by Western Steel Products Limited bear the trade name
WESTEEL
instead of trade names "Metallic" and "Max" formerly used.

April, 1929

SERVICE

QUALITY

WESTEEL

CEILING AND WALL MATERIALS

Made in Canada

Prices in this list include Sales Tax

We Also Manufacture

Corrugated Iron, Metal Shingles, Sidings, Eavetrough, Conductor Pipe, Elbows, etc.; Hollow Metal Windows, Firedoors, Steel Sash; Cornices, Skylights, Ventilators; Stock Troughs, Tank Heaters, House Tanks, Cisterns; Range Boilers, Oil Barrels, Oil Storage and Wagon Tanks. Doublemesh, Herringbone and Key Lath, Stove Pipe and Elbows; Apollo Keystone Copper Steel Culverts.

Send for Price Lists on other Products

Terms: Net 30 Days

We Carry the Largest Stocks of Sheet Steel in Western Canada.

GALVANIZED
"Apollo-Keystone Copper Steel"
"Apollo"

BLACK
"Keystone Copper Steel"
"Arrow"

We also carry large stocks of:

Tin Plate, Copper, Canada Plate, Zinc, Auto Body Stock, Tinned Iron, Kalamein Iron, Solder, Asbestos Paper, Etc.

WESTERN STEEL PRODUCTS LIMITED

WINNIPEG, MANITOBA

CALGARY - EDMONTON - REGINA - SASKATOON - VANCOUVER - VICTORIA

KEYSTONE COPPER-STEEL

TRY WESTEEL SERVICE

WESTERN STEEL PRODUCTS LIMITED

PRICES—

Prices quoted are f.o.b. Factory, Winnipeg, Regina, or Saskatoon, with no additional charge for crates, boxes or other packages. We will be glad to quote prices with freight charges prepaid to any station in Western Canada on receipt of specifications.

TERMS—

Net 30 days from date of invoice on receipt of satisfactory credit references.

A SQUARE—

A square of material means sufficient to cover 100 square feet (10x10 feet), on a plain surface.

SHIPPING WEIGHT—

The shipping weight of ceiling material is approximately 65 lbs. per square, crated.

NAILS—

Are supplied free.

METHOD OF CHARGING—

When customers figure out their own quantities we charge at individual prices shown on page 3. When we figure out the quantities from customers' sizes or sketches we charge at the bulk prices shown on page 4.

If a customer orders two squares of plate, 60 feet of cornice and 4 inside mitres, this will be charged at the prices shown on page 3. If, however, the order reads "send enough plate, cornice and mitres for a room 15 feet x 20 feet," it will be charged as shown on page 4.

The total cost in either case will be practically the same. In one case page 3 may work out a trifle cheaper, but in another case page 4 may be cheaper. It will, however, be found that in the majority of cases individual and bulk prices will be practically the same.

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		Winnipeg	Regina	Saskatoon
STANDARD CEILING PLATES Nos. 432, 438, 447, 512, 523, 537, 538, 544, 545, 650, 656, 661.	Per square	$7.25	$7.70	$7.80
MISCELLANEOUS CEILING PLATES Nos. 435-6-7, 448, 482-3-4-5-6-7, 501-2-3-4-5-6, 511-13-14-15, 521-2-5-6-7-8-9, 531-2, 637.	Per square	$8.25	$8.70	$8.80
BEADED CEILING (Plate No. 650)	Per square	$7.25	$7.70	$7.80
STANDARD SIDEWALL PLATES Nos. 438, 447, 466, 621-2-3, 654-6, 661.	Per square	$7.25	$7.70	$7.80
MISCELLANEOUS SIDEWALL PLATES Nos. 435-6-7, 448, 602, 604, 631-2-3, 663.	Per square	$8.25	$8.70	$8.80
WAINSCOT PLATES Standard Nos. 446, 621-2-3.	Per square	$7.25	$7.70	$7.80
Miscellaneous Nos. 464, 470, 631-2-3, 860.	Per square	$8.25	$8.70	$8.80
BORDER PLATES AND FILLERS Standard Nos. 825, 834.	Per square	$7.25	$7.70	$7.80
Miscellaneous Nos. 516-7-8, 829, 840-1-2, 849, 850-1-2, 860.	Per square	$8.25	$8.70	$8.80
BEAM COVERINGS Standard No. 295 (figure girth on even inches.)	Per square	$7.25	$7.70	$7.80
Miscellaneous Nos. 285-6, 296, 299.	PRICES ON APPLICATION GIVING GIRTH			
FRIEZES Standard Nos. 825, 834.	Per square	$7.25	$7.70	$7.80
Miscellaneous Nos. 516, 829, 840, 850, 860.	Per square	8.25	8.70	8.80
CENTRE PIECES—No. 742 (in parts)	Each	$3.20	$3.50	$3.75
No. 760.	Each	.95	1.00	1.10

Prices of other Centres on Application

IMMEDIATE SHIPMENT ON STANDARD DESIGNS

"Quality — Service"

Price List No. 1229

WESTERN STEEL PRODUCTS LIMITED

Cornices and Mitres

STANDARD DESIGNS

No.	Prices F.O.B. Factory Winnipeg	Regina	Saskatoon			Prices F.O.B. Factory Winnipeg	Regina	Saskatoon
310	$3.40	$3.50	$3.55	Per 100 lin. feet	MITRES		NOT MADE	
315	6.20	6.40	6.50	"	"	$0.09	$0.10	$0.10 each
318	8.10	8.30	8.40	"	"	.14	.15	.15 "
332	11.50	11.90	12.00	"	"	.16	.17	.17 "
334	12.00	12.50	12.60	"	"	.16	.17	.17 "
351	11.70	12.20	12.30	"	"	.16	.17	.17 "
357	18.50	19.00	19.10	"	"	.30	.32	.32 "
365	25.50	26.20	26.50	"	"	.70	.73	.73 "

MISCELLANEOUS DESIGNS

324	$10.00	$10.40	$10.50	Per 100 lin. feet.	MITRES	$0.11	$0.15	$0.15 each
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336	11.30	11.80	11.90	"	"	.16	.17	.17 "
347	14.00	14.50	14.60	"	"	.25	.27	.27 "
355	18.00	18.60	18.80	"	"	.30	.32	.32 "
360	24.00	24.70	25.00	"	"	.70	.73	.73 "
370	Cancelled—Not made.							
380	Price on Application.							
382	135.00	138.00	140.00	"	" (In)	1.00	1.05	1.07 "
					" (Out)	3.50	3.60	3.65 "
384	48.00	50.00	51.00	"	" (In)	.80	.85	.86 "
					" (Out)	1.10	1.20	1.25 "
386	24.00	25.00	25.30	"	" (In)	.80	.85	.86 "
					" (Out)	.90	.95	.96 "

IMMEDIATE SHIPMENT ON STANDARD DESIGNS

Mouldings, Etc.

STANDARD DESIGNS

No.		Prices F.O.B. Factory Winnipeg	Regina	Saskatoon
120	Mldg.	$4.30	$4.40	$4.50 per 100 feet
121	Ells.	.08	.09	.09 each
124	Mldg.	5.30	5.40	5.50 per 100 feet
125	Ells.	.08	.09	.09 each
146	Mldg.	5.50	5.60	5.70 per 100 feet
147	Ells.	.09	.10	.10 each
154	Mldg.	5.90	6.00	6.10 per 100 feet
155	Ells.	.09	.10	.10 each
160	Mldg.	6.30	6.45	6.60 per 100 feet
161	Ells.	.09	.10	.10 each
190	Mldg.	9.50	9.70	9.80 per 100 feet
191	Ells.	.14	.15	.15 each
192	Tees	.14	.15	.15 each
193	Crosses	.14	.15	.15 each

No.		Prices F.O.B. Factory Winnipeg	Regina	Saskatoon
210	Mldg.	$15.00	$15.40	$15.50 per 100 feet
211	Ells.	.25	.27	.28 each
212	Tees	.25	.27	.28 each
213	Crosses	.25	.27	.28 each
214	Spacers	.25	.27	.28 each
250	Chair Rail	5.50	5.60	5.70 per 100 feet
251	Ends	.11	.12	.13 each
252	Ends	.11	.12	.13 each
270	Corner	2.00	2.10	2 20 per 100 feet
271	Corner	2.00	2.10	2.20 per 100 feet
275	Mldg.	10.00	10.25	10.40 per 100 feet
275	Mitres	.56	.60	.62 each
278	Mldg.	4.00	4.10	4.20 per 100 feet

MISCELLANEOUS DESIGNS

No.		Prices F.O.B. Factory Winnipeg	Regina	Saskatoon
116	Mldg.	$1.30	$1.40	$1.50 per 100 feet
128	Mldg.	5.30	5.40	5.50 per 100 feet
129	Ells.	.08	.09	.09 each
134	Mldg.	5.30	5.40	5.50 per 100 feet
135	Ells.	.08	.09	.09 each
142	Mldg.	5.50	5.60	5.70 per 100 feet
143	Ells.	.09	.10	.10 each
166	Mldg.	7.90	8.10	8.20 per 100 feet
170	Mldg.	9.50	9.70	9.80 per 100 feet
171	Ells.	.14	.15	.15 each
172	Tees	.14	.15	.15 each
173	Crosses	.14	.15	.15 each

No.		Prices F.O.B. Factory Winnipeg	Regina	Saskatoon
180	Mldg.	$9.50	$9.70	$9.80 per 100 feet
181	Ells.	.14	.15	.15 each
182	Tees	.14	.15	.15 each
183	Crosses	.14	.15	.15 each
220	Mldg.	15.00	15.40	15.50 per 100 feet
221	Ells.	.25	.27	.27 each
222	Tees	.25	.27	.27 each
223	Crosses	.25	.27	.27 each
260	Base	10.00	10.25	10.40 per 100 feet
265	Base	10.00	10.25	10.40 per 100 feet
279	Mldg.	8.00	8.20	8.30 per 100 feet
280	Mldg.	9.00	9.20	9.30 per 100 feet

IMMEDIATE SHIPMENT ON STANDARD DESIGNS

ESTIMATES FREE ON REQUEST

WESTERN STEEL PRODUCTS, LIMITED

BULK PRICES (see bottom of page 2)

This is the simple method of arriving at the cost of Metal Ceilings and Walls. You will find it the most convenient time-saving method of figuring.

CEILINGS

Find the total number of square feet in ceiling by multiplying extreme length by extreme width, wall to wall, and figure as follows:—

	Winnipeg	Regina	Saskatoon
Ceilings composed of Standard Plates or Beaded Ceiling only and cornice, adding cost of cornice required, including cornice around beams, chimneys, etc., if any, at price per 100 feet shown on page 3. If a moulding is used instead of cornice ADD cost of this. (No charge for mitres.)	$7.25	$7.70	$7.80
Ceilings composed of miscellaneous Plates and Cornice, figuring as shown above. (No charge for mitres.)	8.25	8.70	8.80
Ceilings with border, filler or moulding in addition to Standard Ceiling Plates, adding cost of cornice or moulding as above. (No charge for mitres.)	7.75	8.20	8.30
Ceilings with border, filler or moulding in addition to miscellaneous Ceiling Plates adding cost of cornice or moulding as above. (No charge for mitres.)	8.75	9.20	9.30

BEAMS—No charge is made for beam covering other than cornice as mentioned above.

OPENINGS AND OFFSETS in ceilings, viz:—Stairwells, cupboards, chimneys, etc. Figure each separately and DEDUCT those over 25 square feet. For those 25 square feet or less, do not make any deduction. When stairwells or skylight wells are over 25 square feet, add cost of moulding required as a finish around edge of same.

CENTRE PIECES—No extra charge for centre pieces Nos. 734, 738, 747, 748, nor for 754 when shipped in parts. Other Centre Pieces charged extra.

WALLS

Find total number of square feet by multiplying length around room by height from where metal starts at bottom to ceiling line and figure as follows:—

	Winnipeg	Regina	Saskatoon
Standard Plates or Beaded Ceiling only	$7.25	$7.70	$7.80
Miscellaneous Plates only	8.25	8.70	8.80
Metal Base, Moulding or Frieze used in addition to Standard Plates or Beaded Ceiling	7.75	8.20	8.30
Metal Base, Moulding or Frieze used in addition to Miscellaneous Plates	8.75	9.20	9.30

OPENINGS IN WALLS (Doors, Windows, Etc.)

Figure each separately and DEDUCT those OVER 25 square feet. For those 25 square feet or less, do not make any deduction.

Prices for walls do not include a cornice. The cornice is considered as a part of the ceiling.

EXAMPLES

Of Ceilings figured under Bulk system at Winnipeg prices.

No. 1— Room 12 x 16 feet.
Design No. 2167, page 74 Cat. 828.
(Ceiling Plate 545, Cornice 332)

12x12 ft.—24 ft.	12 ft. x 16 ft.—192 sq. ft. at $7.25—	$13.92
12x16 ft.—32 ft.	56 ft. 332 Cornice at $11.50—	6.44
56 ft.	Total Price	$20.36

No. 2 — Same ceiling as above but using Design No. 2431, page 76 Cat. 828.
(Plate 544, Mldg. 154, Filler 825, Cornice 332)

192 sq. ft. at $7.75—	$14.88
56 ft. 332 Cornice at 11.50—	6.44
Total Price	$21.32

No. 3— Room 20x54 ft. with 2 beams running 20 ft. way
Design No. 2252, page 65, Cat. "C".
(Plate 506, Mldg. 180, Filler 825, Cornice 355)

6x20 ft.—120 ft.	20x54 ft.—1080 sq. ft. at $ 8.75—	$ 94.50
2x54 ft.—108 ft.	228 ft. 355 Cornice at $18.00—	41.04
228 ft.	Total Price	$135.54

No. 4— Room 16x36 ft. with open stair-well 5x9 ft. in one corner and a skylight-well 4x6 ft.
Design No. 2166, page 73 Cat. 828 with moulding 128 around stair-well and sky-light well. 16x36 ft.—576 sq. feet.
Less stair-well 5x9 ft.—45 sq. ft.
(Plate 537, Cornice 334)

No deduction for sky-light-well because not over 25 square feet	531 sq. ft. $7.25—	$38.50
36 ft.		
16 ft.	90 ft. 334 Cornice at $12.00—	$10.80
27 ft.	14 ft. 128 Mldg. at $5.30—	.74
11 ft.	(Moulding around stair-well.)	
90 ft.		
(No extra charge for moulding around skylight because not over 25 square feet)	Total Price	$50.04

IMMEDIATE SHIPMENT ON STANDARD DESIGNS